

FM/AM RECEIVER

KR-A4060/A5060

SERVICE MANUAL

KENWOOD

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B51-4945-00 (K)3891

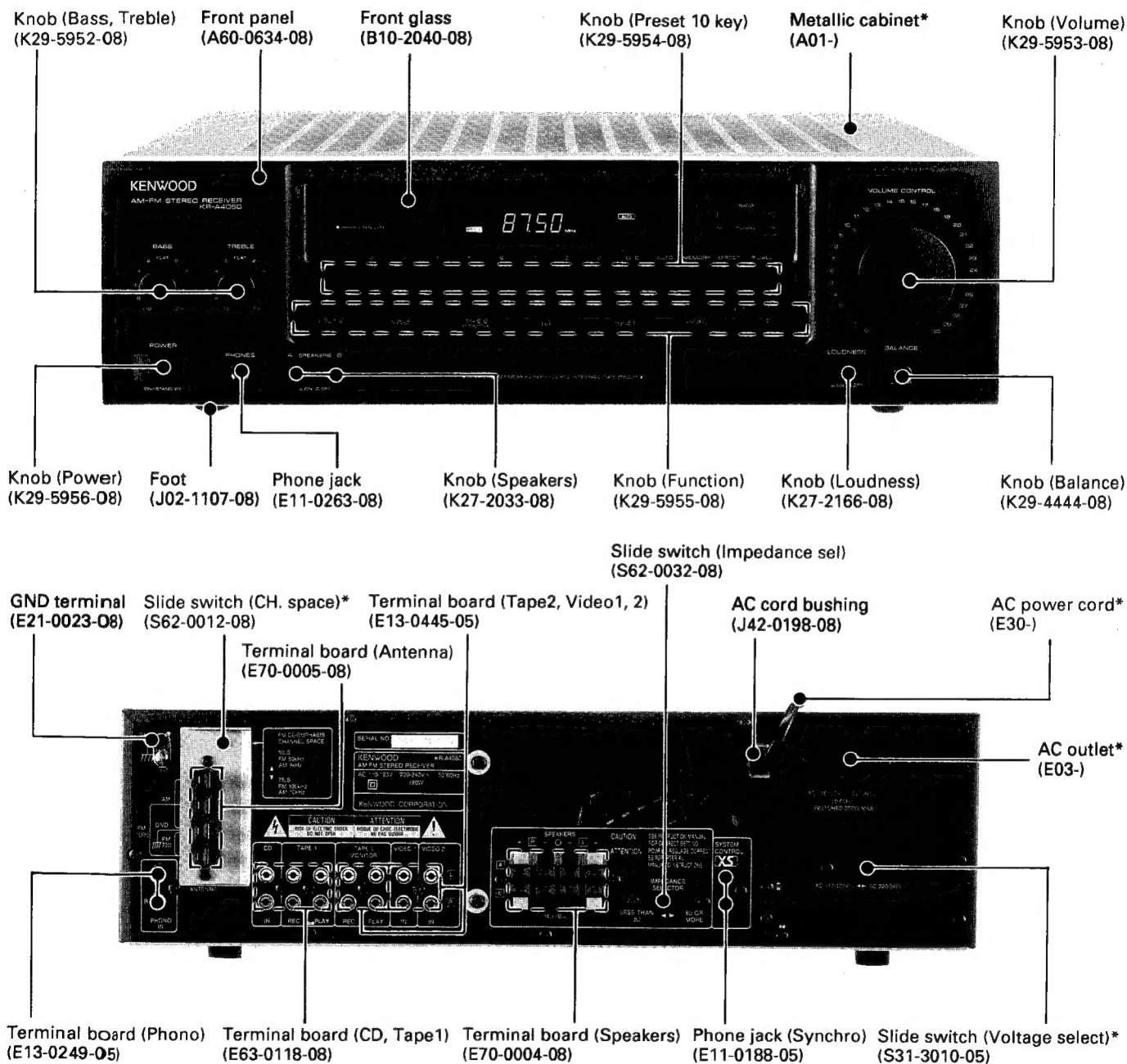


Photo is KR-A4060 (M type).

*Refer to parts list on page 35.

KR-A4060/A5060

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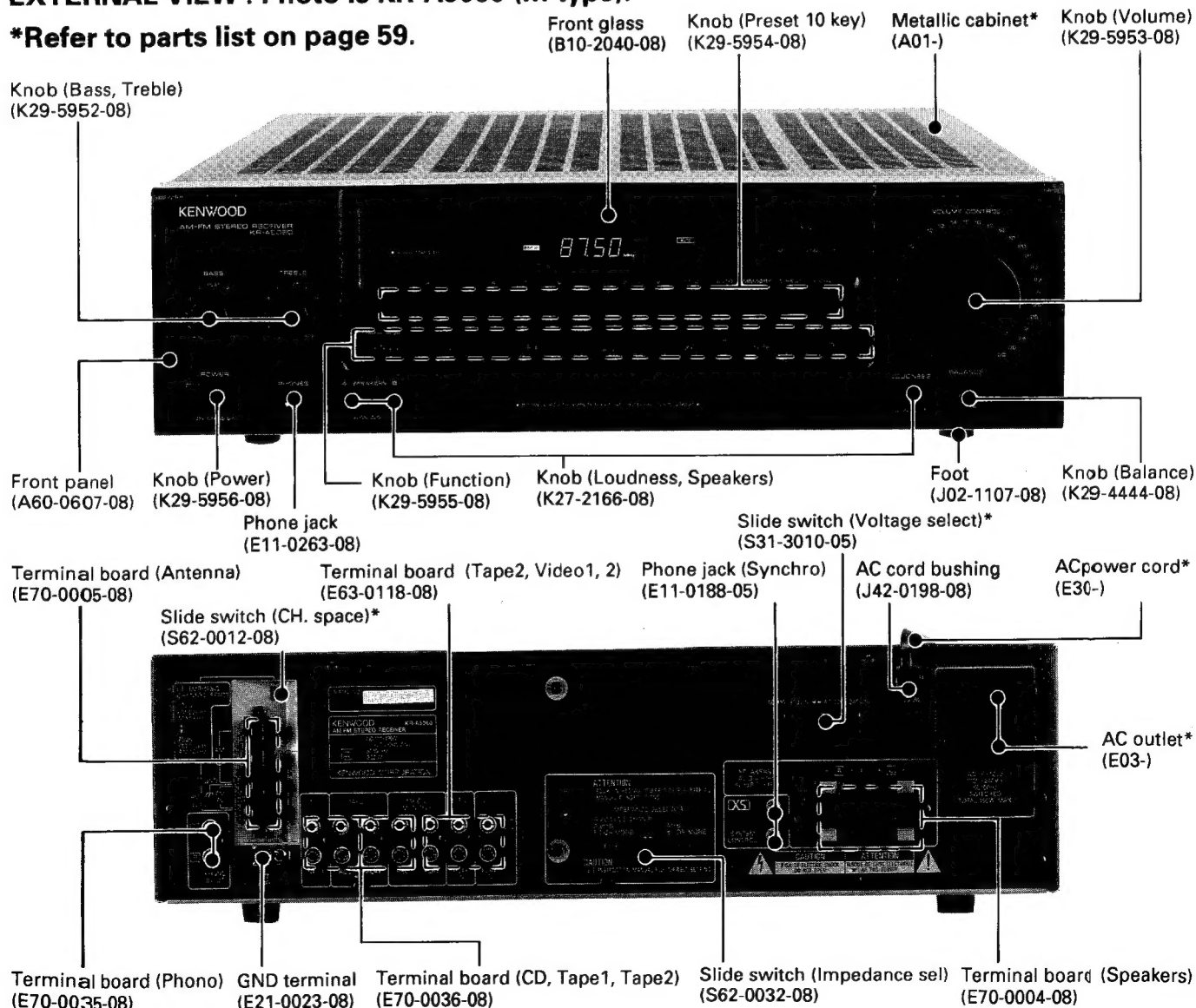
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EXTERNAL VIEW : Photo is KR-A5060 (M type).

*Refer to parts list on page 59.



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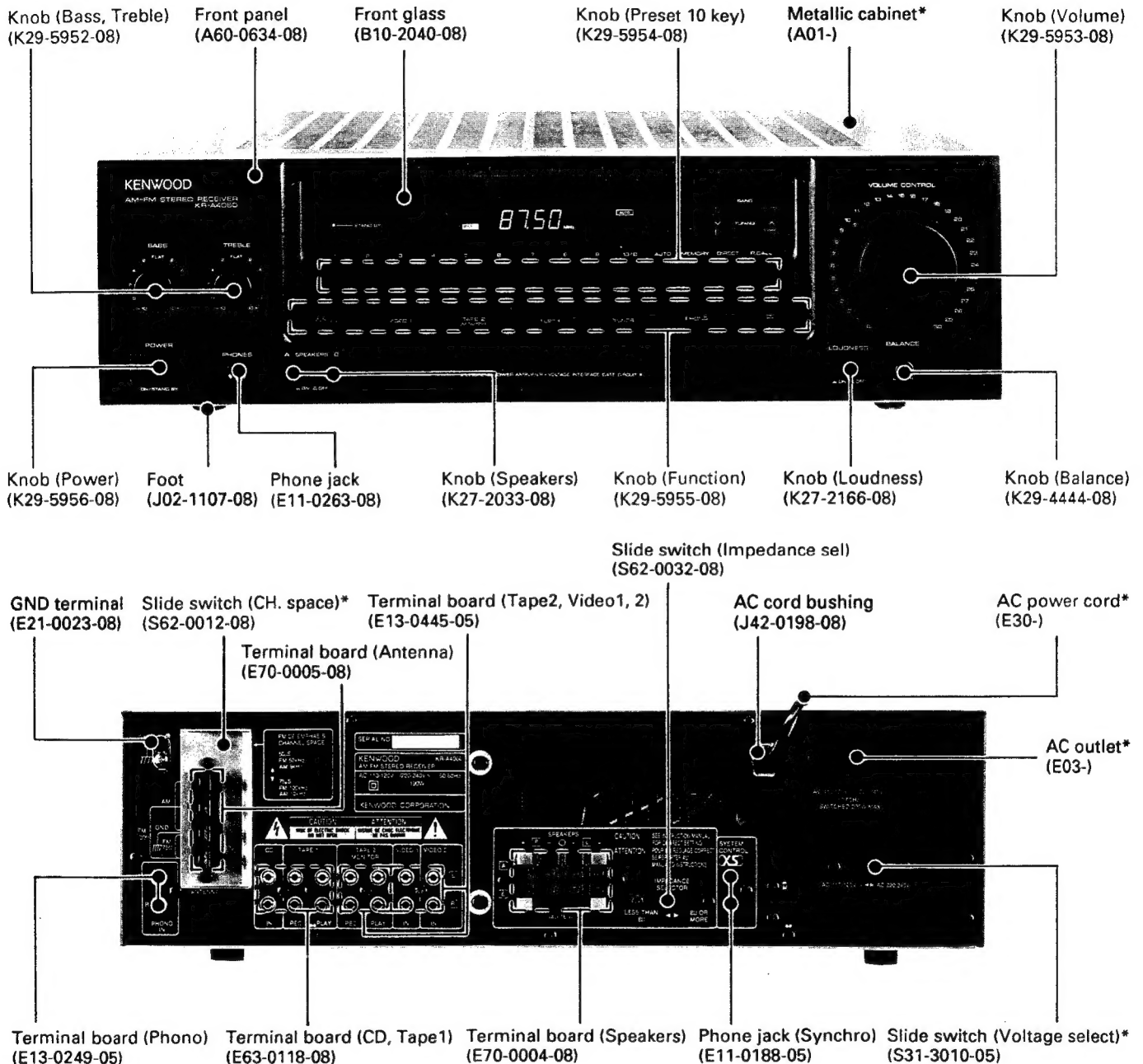
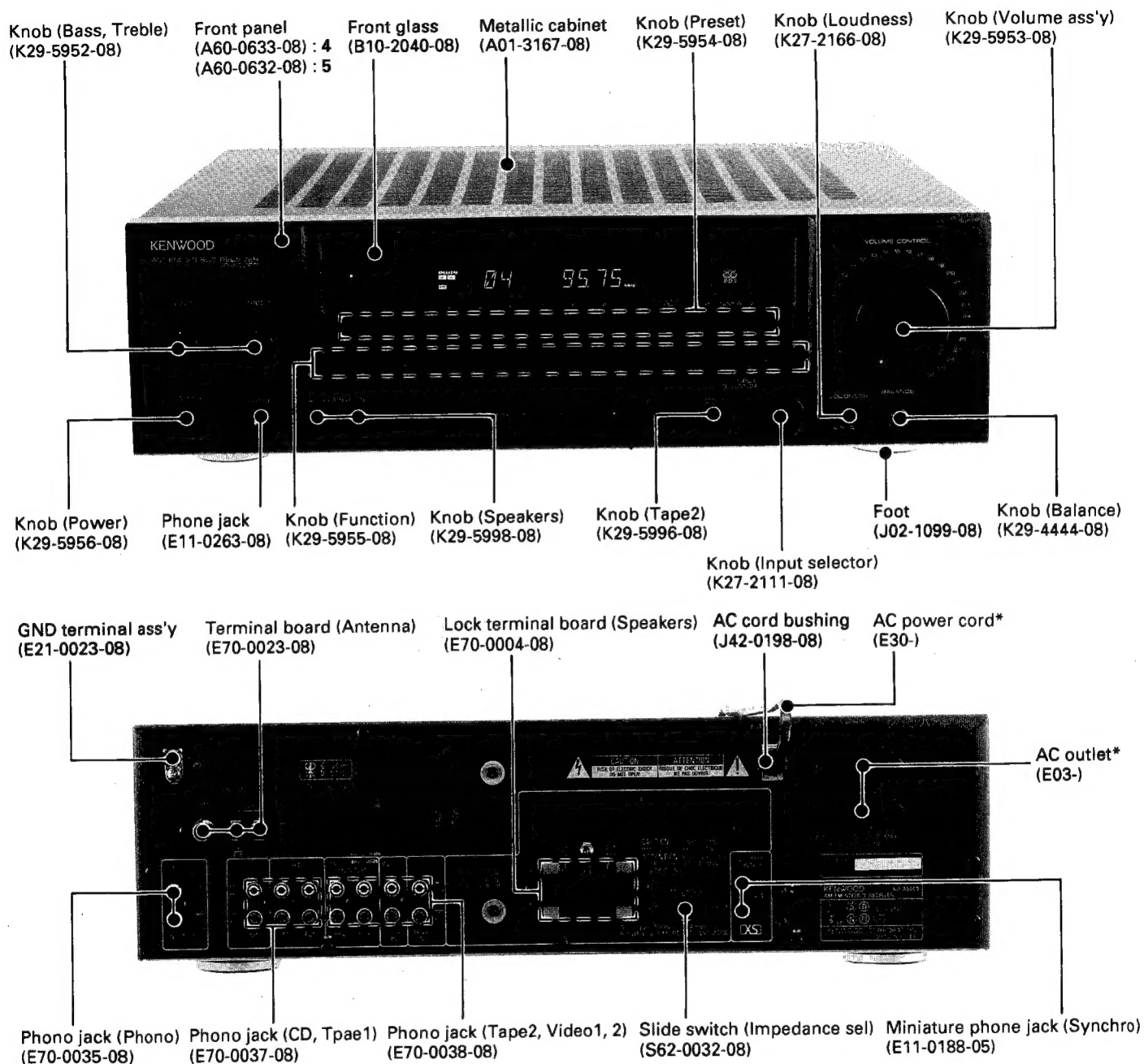


Photo is KR-A4060 (M type).

*Refer to parts list on page 35.

KR-A4060/A5060

EXTERNAL VIEW : KR-A5060



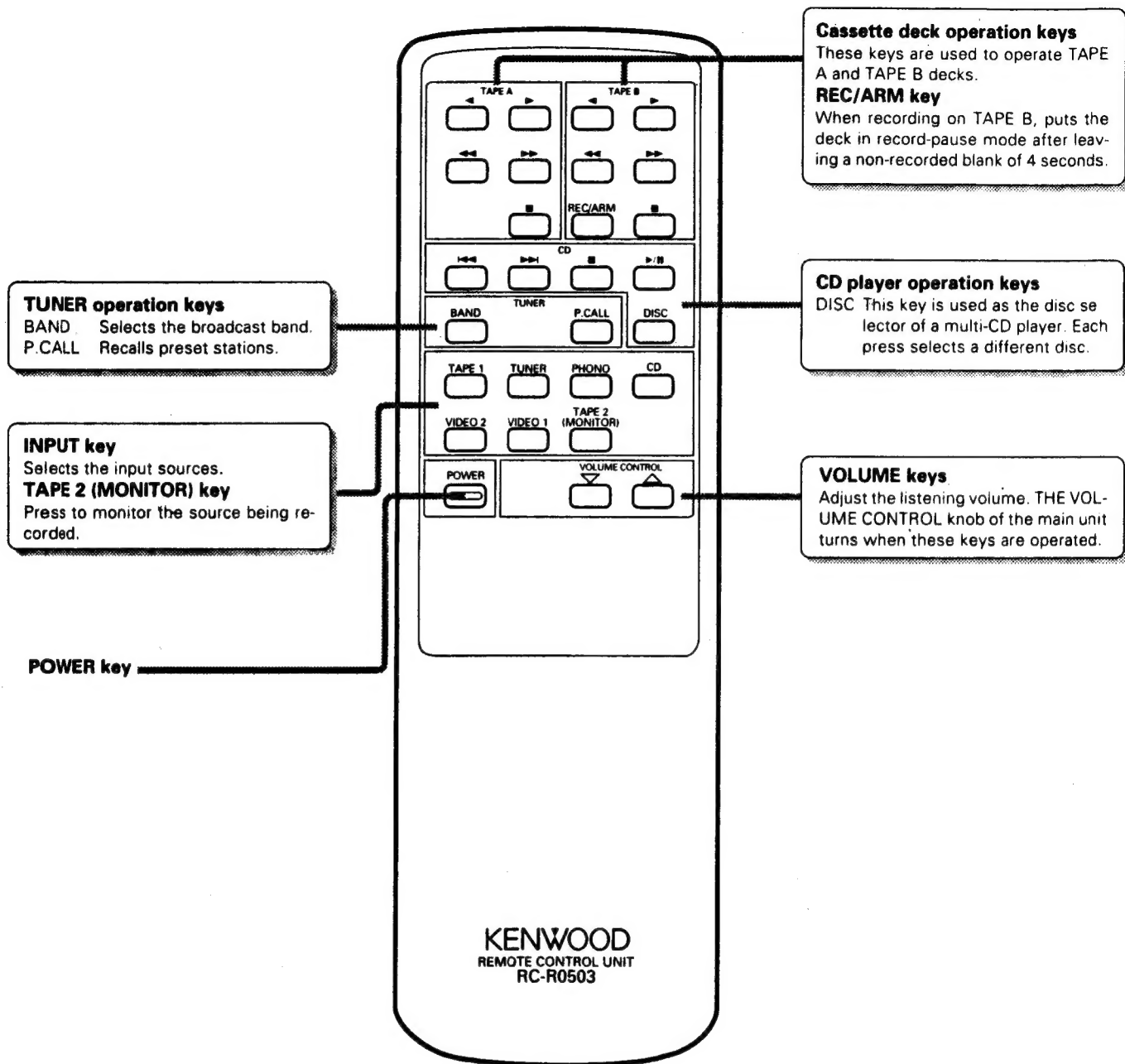
4 : KR-A4060
5 : KR-A5060

Photo

*Refer to parts list on page 83.

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REMOTE CONTROL OPERATION

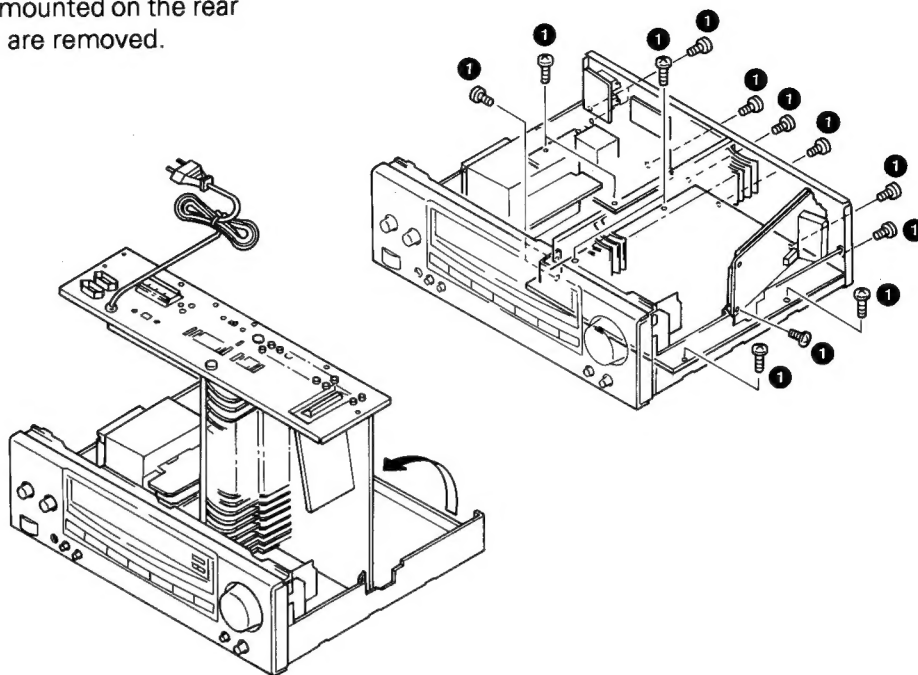


Model: RC-R0503
Infrared ray system

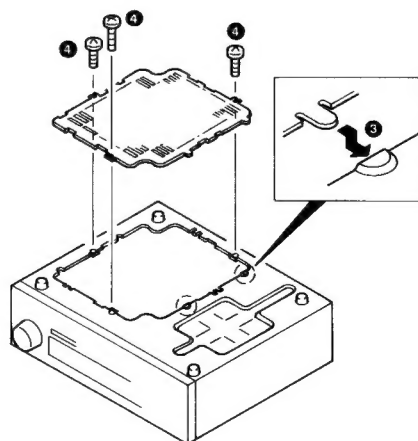
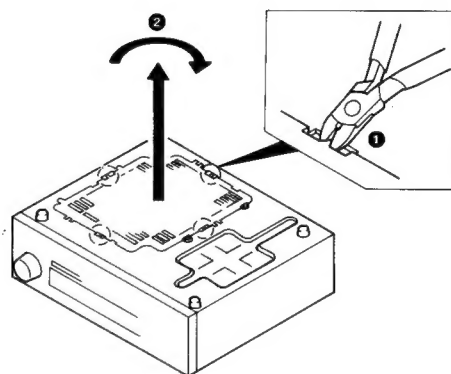
KR-A4060/A5060

DISASSEMBLY FOR REPAIR

1. Repair can be carried out with the Main (AUDIO) PCB and the power supply PCB mounted on the rear panel when the 17 screws (❶) are removed.



2. Cut the 4 places with a pair of nippers (❶), and remove the bottom panel from chassis.
3. Move the unit holder from the current position to the open mounting position.
4. Rotate the lid, which was cut off, by 180° degrees (❷).
5. Insert the lids in the 2 places of the chassis (❸), and mount them with the 3 screws (❹).



KR-A4060/A5060

CIRCUIT DESCRIPTION

1. Setting

1-1. Initial setting

• Function initial setting

Last channel memory FM : 87.5MHz
 K type AM : 530kHz
 E type AM : 531kHz
 Tuning mode Auto
 Band FM1
 Input selector Tuner
 VIDEO monitor VIDEO 1
 TAPE 2 monitor OFF
 Muting OFF
 Power OFF

Frequency memorized for each PRESET channel when the memory is cleared (Test frequency)

Band type	FM1 (MHz)		FM2 (MHz)		AM (kHz)	
	K	E	K	E	K	E
1ch	87.5	87.5	87.5	87.5	530	531
2ch	89.1	89.1	87.5	87.5	630	630
3ch	90.0	90.0	87.5	87.5	990	990
4ch	92.0	92.0	87.5	87.5	1440	1440
5ch	94.0	94.0	87.5	87.5	1610	1602
6ch	98.0	98.0	87.5	87.5	1700*	531
7ch	100.1	100.1	87.5	87.5	530	531
8ch	102.0	102.0	87.5	87.5	530	531
9ch	106.0	106.0	87.5	87.5	530	531
10ch	108.0	108.0	87.5	87.5	530	531

*1700kHz is set for WIDE only.

• μ -com output port initial setting

[Any figure in () is a pin number.]

POWER (24) "L"
 MUTE 1 (25) "H"
 MUTE 2 (26) "H"
 VRDOWN (1) "L"
 VRUP (63) "L"

The initial setting is performed in a following event

1. When backup memory data is destroyed when reset is applied to the μ -com.
2. When the power cord is plugged in to the AC wall outlet while pressing the TUNER key.

1-2. Test mode setting

• Method of entering the test mode

While pressing the CD key, plug the power cord to the AC wall outlet. When the test mode is entered, the FL tube display all lights up.

• Method of canceling the test mode

1. Unplug the power cord from the AC wall outlet once.
2. Send the reset signal to the RESET pin or some other means to reset the μ -com.

• Contents of test mode

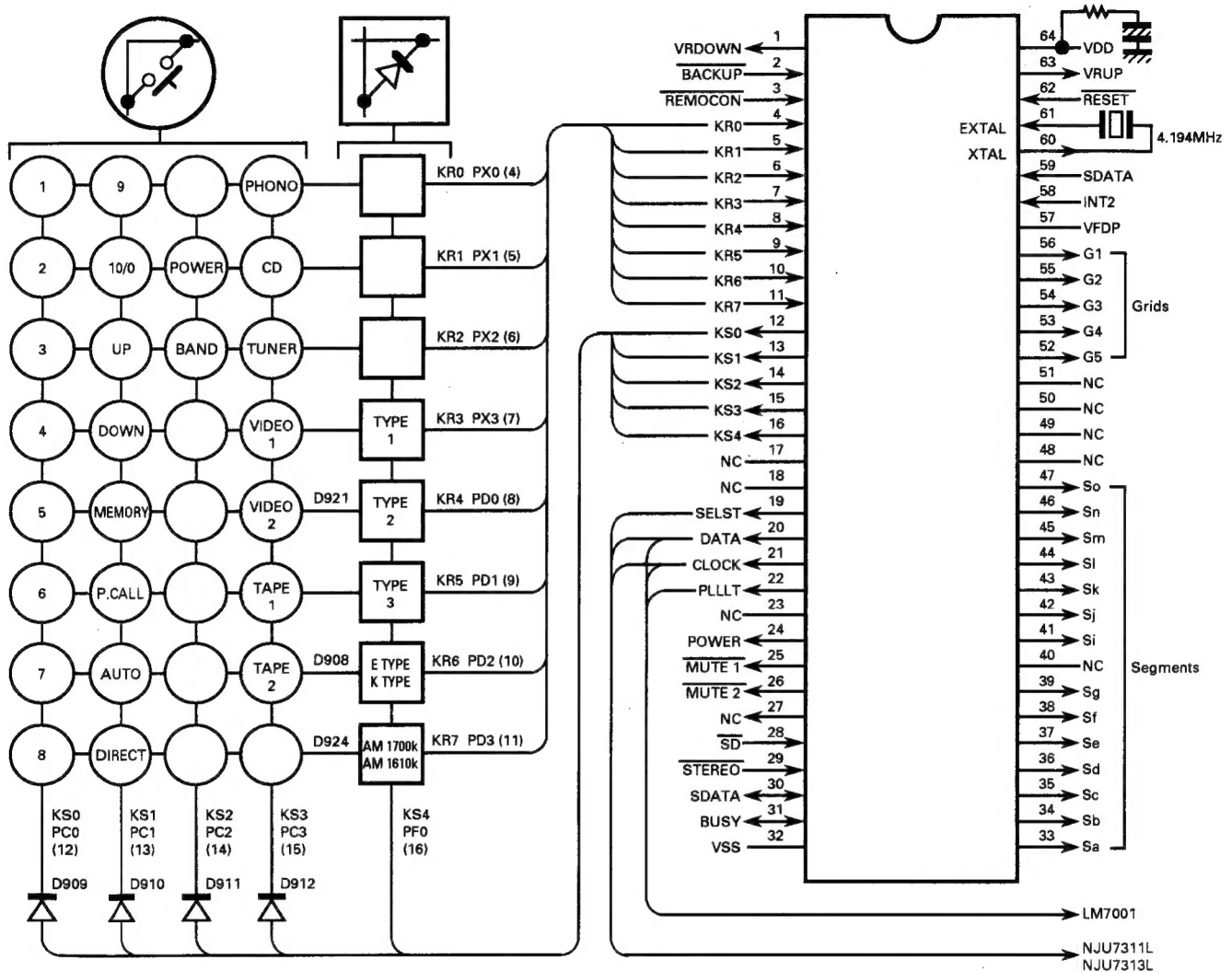
1. When the test mode is entered, the FL tube display all lights up. This all lighting continues unless a effective remote control serial code or the test mode is canceled.
2. The test frequency is stored in memory for each preset channel. (For each frequency to be stored in memory, refer to its associated listing.)
3. The test mode is different from the normal mode in the following operations :
 When the tuner UP or DOWN key is pressed when a mode other than TUNER has been selected, the potentiometer is increased or decreased.
 Once one of the these keys has been pressed, the operation continues even if the key is released.
 It stops automatically if the AUTO or POWER key is pressed or if the AUTO or POWER key is not pressed for 16 seconds.

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CIRCUIT DESCRIPTION

2. Receiver μ -com : CXP5016-531S (Front PCB : IC901)

2-1. Key matrix connection diagram



2-2. Setting of destinations, models and specifications depending upon diode key matrix

The setting of destinations, models and specifications is made according to the initial set diode key matrix. In the following, "1" means with diodes and "0" without diodes.

• Model set switch (Type 2 : D921)

Model set switch			MODEL	Function		
Type 1	Type 2	Type 3		TUNER band	VOL.CONT with motor	REMOCON
—	1	0	KR-A4060/A5060	FM1→FM2→AM	Provided	Provided

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CIRCUIT DESCRIPTION

• Destination set switch : E/K type (D908 to Q903)

Destination set switch	Destination	BAND	Reception frequency band	Channel space	Reference frequency
0	K	FM	87.5~108.0MHz	100kHz	50kHz
		AM	530~1610kHz	10kHz	10kHz
		AM	530~1700kHz	10kHz	10kHz
1	E	FM	87.5~108.0MHz	50kHz	50kHz
		AM	531~1602kHz	9kHz	9kHz

• Specification set switch :

AM 1700k/AM 1610k (D924)

With destination set switch at "0" :

Effective only for K type

Specification set switch	AM reception frequency band
0	530~1610kHz
1	530~1700kHz

2-3. Pin function

No.	Name	I/O	Function
1	VRDOWN	O	Volume down operation control. ("H" : Down, "L" : Normal state)
2	BACKUP	I	Backup (AC outlet OFF) detection. ("H" : Normal state, "L" : AC outlet off)
3	REMOCON	I	Remocon signal input. (Active "L")
4~7	KR0~KR3	I	Key return signal input. ("H" : There is input, "L" : There is not input)
8~11	KR4~KR7		
12~16	KS0~KS4	O	Key scan signal output. Normally high is output. Key scan is performed when key is ON.
17, 18	NC	O	Not used.
19	SELST	O	Data latch signal output to NJU7311L/NJU7313L. Data is latched on the rising edge.
20	DATA	O	LM7001 (PLL IC), NJU7311L/NJU7313L (selector IC) control serial data output. Data is latched on the rising edge of the clock.
21	CLOCK		LM7001, NJU7311L/NJU7313L control serial data transfer shift clock output. Data is latched on the rising edge of the clock.
22	PLLLT	O	CE signal output to LM7001. When the signal is high, LM7001 is enable.
23	NC	-	Not used.
24	POWER	O	Power supply circuit relay ON/OFF control. ("H" : ON, "L" : OFF)
25	MUTE1	O	TAPE 2 REC OUT mute control. ("H" : MUTE OFF, "L" : MUTE ON)
26	MUTE2	O	LINE OUT mute control. ("H" : MUTE OFF, "L" : MUTE ON)
27	NC	O	Not used.
28	SD	I	Tuner tuned detection. ("H" : No signal, "L" : Tuned)
29	STEREO	I	Tuner FM stereo detection. ("H" : MONO, "L" : STEREO)
30	SDATA	I/O	This pin and serial data pin 59 are shorted.
31	BUSY	I/O	Serial busy signal input/output.
32	Vss	-	GND
33~47	Sa~So	O	Fluorescent display segment drive signal output. (Pin 40 muted)
48~51	-	O	Not used.
52~56	G5~G1	O	Fluorescent display digit drive signal output.
57	VFDP	-	Fluorescent display output driver circuit power supply.
58	INT2	I	Not used. This pin and GND are shorted.
59	SDATA	I	This pin and serial data input pin 30 are shorted.
60	XTAL	O	Clock generation circuit output pin.
61	EXTAL	I	Clock generation circuit input pin.
62	RESET	I	Reset signal input.
63	VRUP	O	Volume up operation control. ("H" : UP, "L" : Normal state)
64	VDD	-	+5V power supply.

EXCEPT

KR-A4060/A5060

CIRCUIT DESCRIPTION

3. Function description

Features

3-1. AMP

- Seven position selector :
CD, TUNER, PHONO, TAPE1, TAPE2, VIDEO1, VIDEO2
- Six audio output terminals :
CD, PHONO, TAPE1, TAPE2, VIDEO1, VIDEO2
- Tree output terminals :
TAPE1, TAPE2
- LINE STRAIGHT

- Speaker A/B change-over
- TAPE2 monitor

3-2. TUNER

- 20ch random preset
- Tuning control by IF count
- Direct selection
- RDS function (E, T type only)

4. Conditions according to the destination and model

4-1. AMP

MODEL	DIODE SW		Surround function
	5	4	
KR-V7050	0	0	PRO-LOGIC, 3-STEREO, DSP, DSP-LOGIC
KR-V6050 (Except E, T only)	0	1	PRO-LOGIC, 3-STEREO
KR-A4060/A5060 (E, T only)	1	X	No surround

X : Don't care

4-2. TUNER

Destination	DIODE SW				Band	Receiving Remarks	Channel space	IF	RF	Note
	3	2	1	0						
K1	0	0	0	0	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	50kHz	
					AM	530kHz~1610kHz	10kHz	+450kHz	10kHz	
K2	0	0	1	0	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	50kHz	
					AM	530kHz~1700kHz	10kHz	+450kHz	10kHz	
E	0	1	0	0	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	50kHz	
					AM	531kHz~1602kHz	9kHz	+450kHz	9kHz	
E	1	1	0	0	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	50kHz	With RDS
					AM	531kHz~1602kHz	9kHz	+450kHz	9kHz	

4-3. Diode matrix : Diode switch No.

	Pin No.	55	56	57	58	59	60
Pin No.	Pin name	KR5	KR4	KR3	KR2	KR1	KR0
61	KS7	Channel space	AM 1610/1700	RDS Yes/No	DSP.DOL/DOL only	Surround Yes/No	(X)
Diode switch No.		2	1	3	4	5	0
Diode Ref. No.		D911	-	D910	-	D909	-

- Diode SW 0→
- Diode SW 1→ AM band range/Except E, T type only
0 : AM NARROW
1 : AM WIDE
- Diode SW 2→ Channel base
(Products bound for M : Change-over with switch)
0 : FM 100kHz/step, AM 10kHz/step
1 : FM 50kHz/step, AM 9kHz/step

- Diode SW 3→With/Without RDS/E, T type only
0 : Without RDS
1 : With RDS
- Diode SW 4→Surround mode
0 : Dolby function & DSP function
1 : Dolby function only
- Diode SW 5→With/Without surround
0 : With surround
1 : Without surround

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CIRCUIT DESCRIPTION

5. Initial state

① POWER OFF

② AMP system

- Audio selector TUNER
- Video system selector VIDEO 1
- Speaker A ON
- Speaker B OFF
- TAPE 2 monitor OFF
- LINE STARIGHT OFF

③ TUNER system

- Band FM
- Frequency Lower limit of FM (87.5MHz)
- TUNING mode AUTO TUNING (AUTO STEREO)
- P.CH indication - -ch

④ Test frequency

	K1 type	K2 type	E type
01ch	FM 98.00MHz	FM 98.00MHz	FM 98.00MHz
02ch	FM108.00MHz	FM108.00MHz	FM108.00MHz
03ch	AM 630 kHz	AM 630 kHz	AM 630 kHz
04ch	AM 990 kHz	AM 990 kHz	AM 990 kHz
05ch	AM 1440 kHz	AM 1440 kHz	AM 1440 kHz
06ch	AM 1610 kHz	AM 1700 kHz	AM 1602 kHz
07ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
08ch	FM 98.50MHz	FM 98.50MHz	FM 98.50MHz
09ch	AM 530 kHz	AM 530 kHz	AM 531 kHz
10ch	FM 89.10MHz	FM 89.10MHz	FM 89.10MHz
11ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
12ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
13ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
14ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
15ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
16ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
17ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
18ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
19ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
20ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz

Initial setting Insert the AC power cord plug in the electrical outlet while pushing the "POWER" key.

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CIRCUIT DESCRIPTION

6. Main Unit Test Mode

Setting method

Turn the AC power ON while pushing the "TUNING DOWN" key.

Cancellation method

Turn the AC power OFF.

Contents

① Start of the main unit test mode

The operation gets in the test mode through a main unit key, when the AC power is turned ON while pushing the "TUNING DOWN" key.

Three operations are carried out in this case.

- Automatic power ON
- All fluorescent character display tubes and LED light up.
- Initialization of all states except POWER ON/OFF.
The "All indications lit up" states is cancelled by pushing any key of the main unit.
The states changed during the test mode are initialized when the main unit test mode is cancelled (AC power OFF).

② Automatic motor VR UP/DOWN (AMP)

The operation (16 sec. UP→16 sec. DOWN→STOP) of the motor is carried out when the "TAPE 2" key is operated. Therefore, "TAPE 2 (MONITOR)" can not be changed-over during the main unit test mode.

③ Mute signal output (AMP)

No control of selector MUTE (MUTE1) is carried out.

④ Test mode operation of 0~9, +10 (TUNER)

- a) When the +10 key is not operated, the channels 1~9 (keys 1~9), as well as the channel 10 (key 0), can be called.
- b) When the +10 key is operated once, the channels 11~19 (keys 1~9), as well as the channel 20 (key 0), can be called.
- c) When the +10 key is operated once again, the operation returns to the case "a) When the +10 key is not operated".

⑤ Processing of keys available only in the remote controller

- Processing related to the AMP : None
- Processing related to the TUNER : None

⑥ Cancellation of the main unit test mode

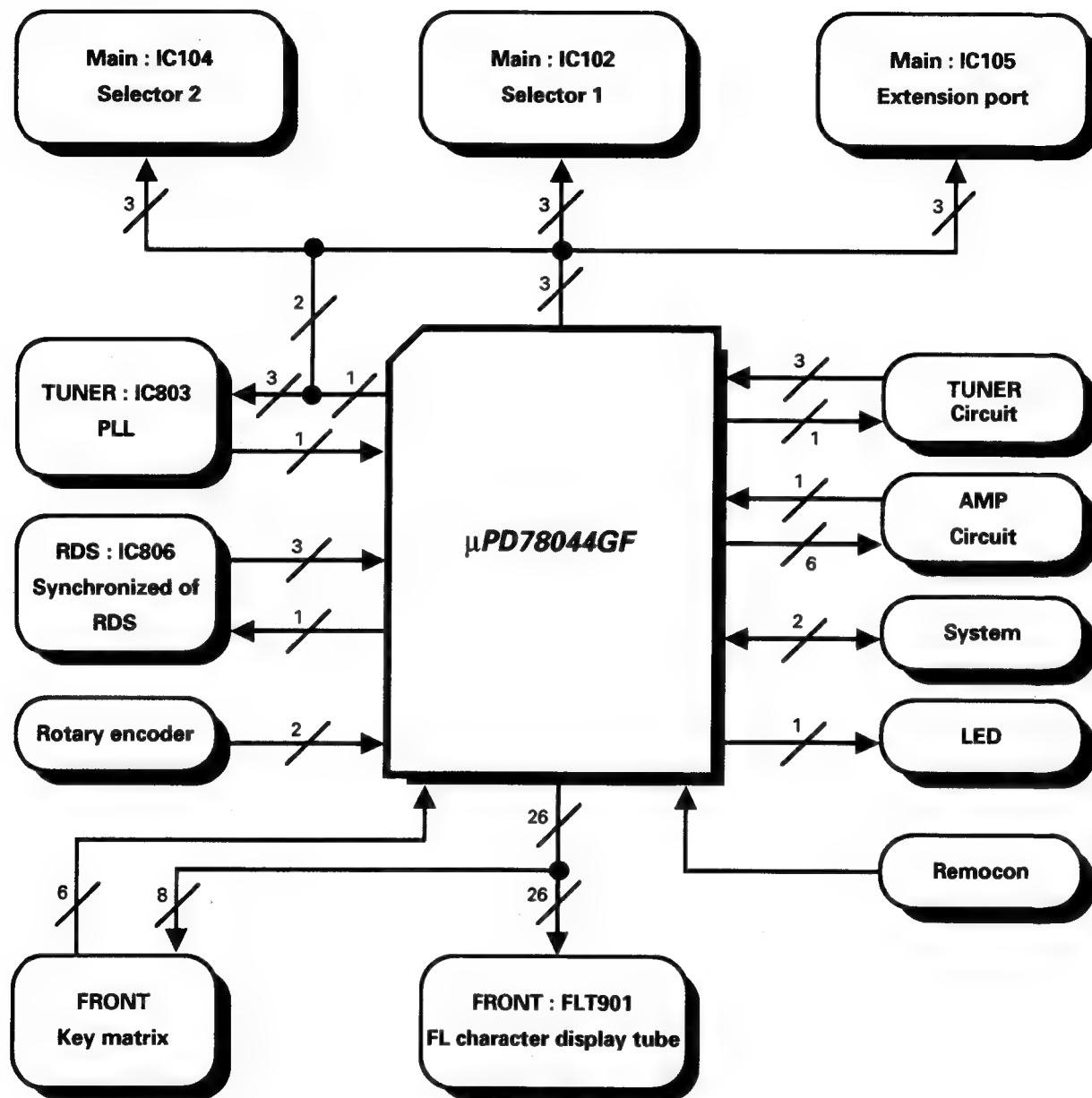
The test mode is cancelled, and the operation returns to the initial state when the AC power is turned OFF during the test mode.

KR-A4060/A5060

CIRCUIT DESCRIPTION

7. μ -com : μ PD78044GF-021 (Front PCB : IC901)

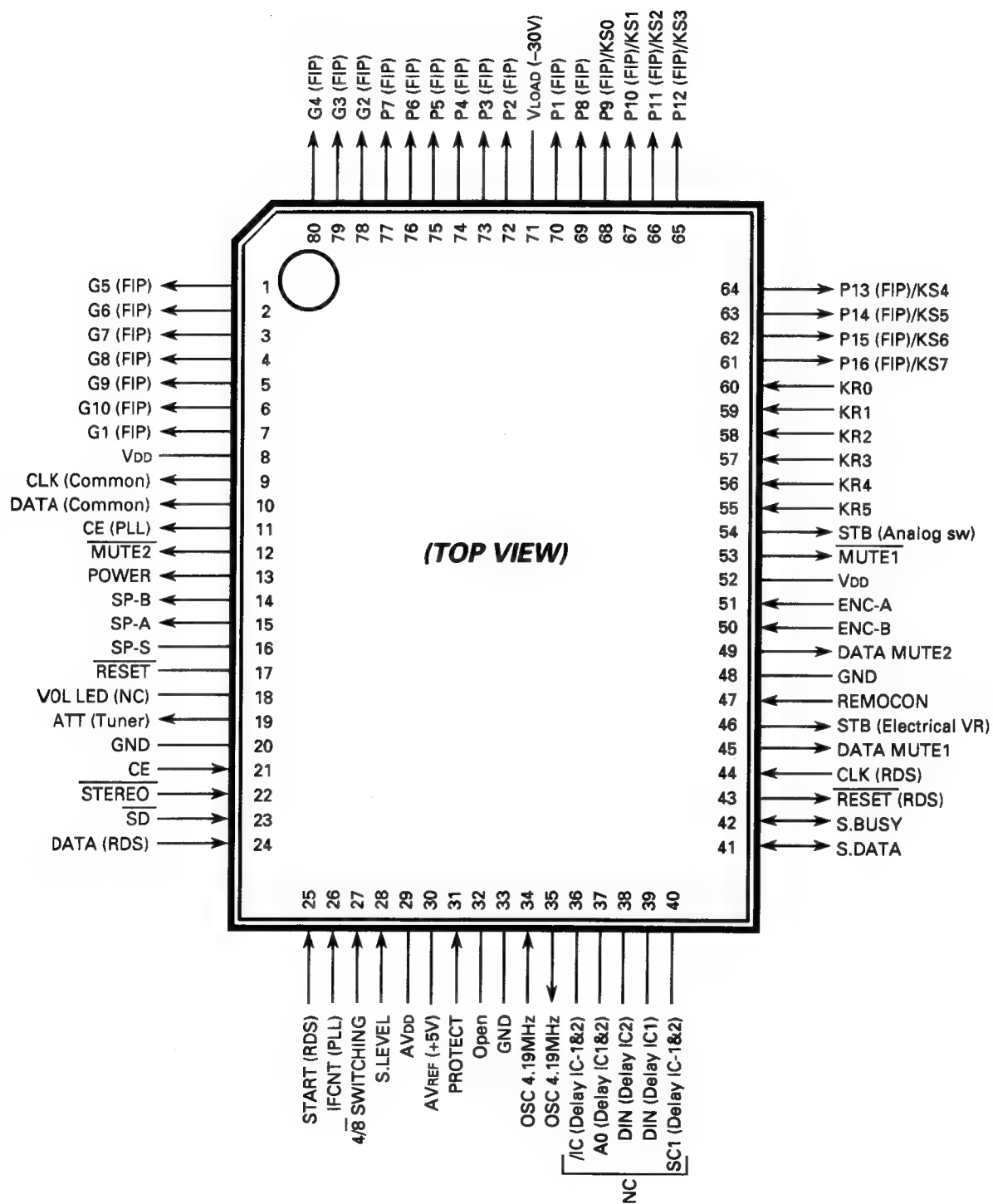
7-1. μ -com periphery block diagram



KR-A4060/A5060

CIRCUIT DESCRIPTION

7-2. Pin connection



KR-A4060/A5060

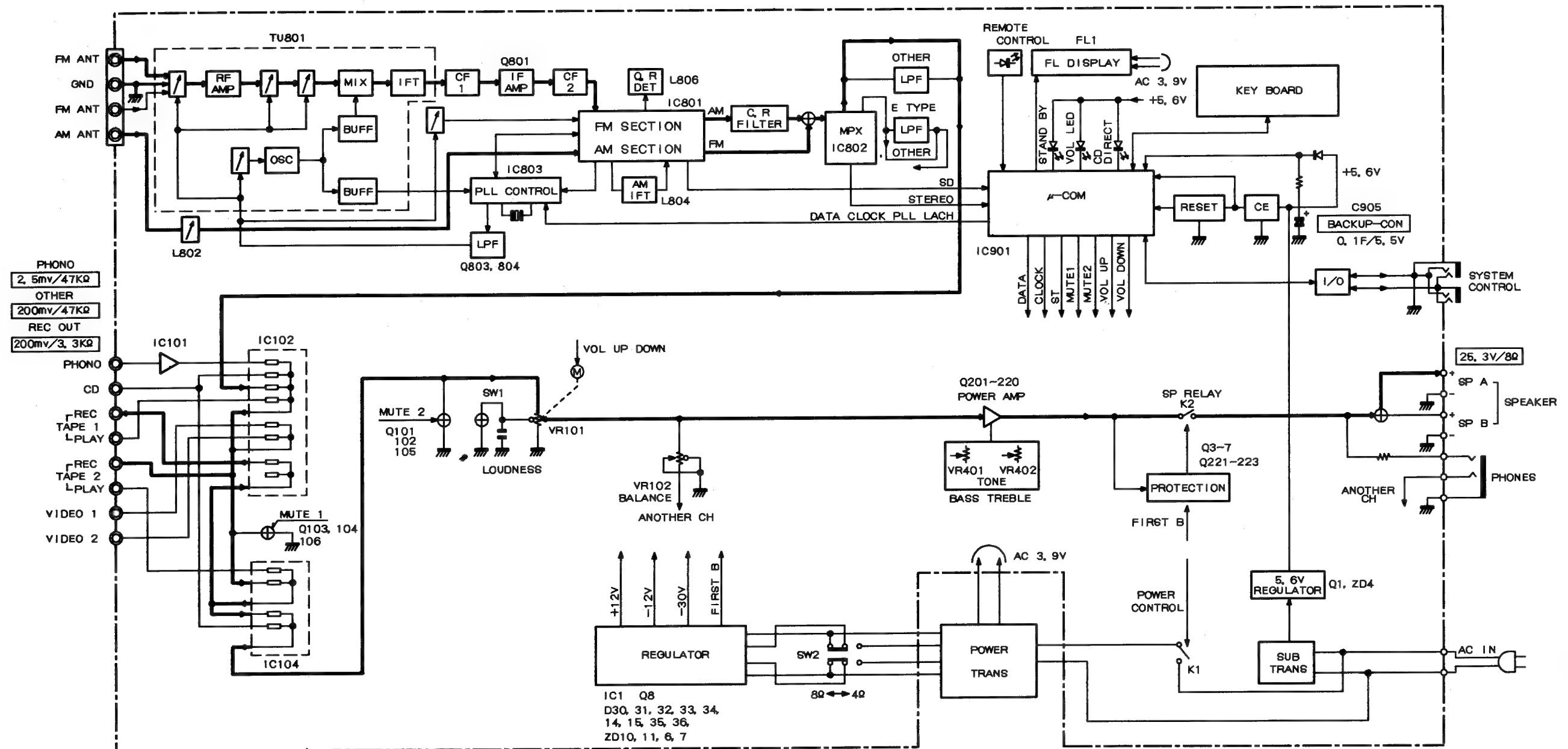
CIRCUIT DESCRIPTION

7-3. Pin function

No.	Name	I/O	Function
1~6, 7	G5~G10, G1	O	FL grid 5~10, and 1.
8	VDD	-	Power supply.
9	CLK (Common)	O	Clock for control IC. (Analog sw/PLL IC/Electronic VOL)
10	DATA (Common)	O	Data for control IC. (Analog sw/PLL IC/Electronic VOL)
11	CE (PLL)	O	PLL CE.
12	MUTE2	O	Amplifier mute control. ("H" : Mute OFF, "L" : Mute ON)
13	POWER	O	Power relay control. ("H" : Power ON, "L" : Power OFF)
14	SP-B	O	Speaker B relay control. ("H" : SP-B ON, "L" : SP-B OFF)
15	SP-A	O	Speaker A relay control. ("H" : SP-A ON, "L" : SP-A OFF)
16	SP-S	-	Not used (open).
17	RESET	I	μ-com reset.
18	VOL LED	-	Not used (open).
19	ATT (Tuner)	O	Attenuator control ("H" : ATT ON, "L" : ATT OFF)
20	GND	-	A/D power supply.
21	CE	I	μ-com CE.
22	STEREO	I	Stereo signal detection. ("H" : Monaural, "L" : Stereo)
23	SD	I	Tuning signal detection. ("H" : Not tuned, "L" : Tuned)
24	DATA (RDS)	I	RDS data.
25	START (RDS)	I	RDS start bit.
26	IFCNT (PLL)	I	IF CNT data (PLL DO).
27	4/8 SWITCHING	I	Speaker impedance switching. ("H" : 4Ω, "L" : 8Ω)
28	S.LEVEL	I	Signal level (A/D).
29	AVDD	-	A/D power supply.
30	AVREF	-	A/D reference voltage (+5V).
31	PROTECT	I	Protection detection. ("H" : Protection, "L" : Normal)
32	NC	-	Open.
33	Vss	-	GND
34	X1	I	4.19MHz oscillator.
35	X2	O	4.19MHz oscillator.
36	/IC (DELAY IC-1 & 2)	-	Not used.
37	A0 (DELAY IC-1 & 2)	-	Not used.
38	DIN (DELAY IC-1)	-	Not used.
39	DIN (DELAY IC-2)	-	Not used.
40	SC1 (DELAY IC-1 & 2)	-	Not used.
41	S.DATA	I/O	8-bit system data.
42	S. BUSY	I/O	8-bit system busy.
43	RESET (RDS)	O	RDS reset.
44	CLK (RDS)	I	RDS clock.
45	DT MUTE1	O	Data mute 1. ("H" : ON, "L" : OFF)
46	STB (Electrical VOL)	-	Not used.
47	REMOCON	I	Remote controller input.
48	GND	-	
49	DT MUTE2	-	Not used.
50, 51	ENC-B, ENC-A	I	Encoder input. (50 pin : Encoder B, 51 pin : Encoder A)
52	VDD	-	Power supply.
53	MUTE1	O	Selector MUTE control. ("H" : MUTE OFF, "L" : MUTE ON)
54	STB (Analog sw)	O	Analog sw STB.
55~60	KR5~KR0	I	Key return 5~0. (Pin 56 : Not used)
61~68	P16/KS7~P9/KS0	O	FL segment 16~9 / Key scan 7~0.
69, 70	P8, P1	O	FL segment. (69 pin : Segment 8, 70 pin : Segment 1)
71	-30V (VLOAD)	-	FL drive power supply.
72~77	P2~P7	O	FL segment 2~7.
78~80	G2~G4	O	FL grid 2~4.

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BLOCK DIAGRAM



ADJUSTMENT

AJUSTES

AM section : If alignment point is "-", confirm the value. If not, replace the front end pack.

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION SELECTOR : FM							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±75kHz dev. 60dBμ(ANT. input)	Connect a DC voltmeter between TP803 and TP804. (TUNER UNIT)	AUTO or MONO 98.0MHz	L806 (TUNER UNIT)	0V.	(a)
2	VCO	(A) 98.0MHz 0 dev. 60dBμ(ANT. input)	Connect a Frequency counter between TP805 and TP806. (TUNER UNIT)	AUTO 98.0MHz	L802 (TUNER UNIT)	19.00kHz	(b)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25kHz dev. Selector : L or R Pilot : ±6.75kHz dev. 60dBμ(ANT. input)	(B)	98.0MHz	IFT (W02-)	Minimum distortion. (L or R)	
4	TUNING LEVEL	(A) 98.0MHz 0 dev. 18dBμ(ANT. input)	(B)	AUTO or MONO 98.0MHz	VR801 (TUNER UNIT)	Adjust VR801 and stop at the point where FLT901 (TUNED) goes on.	
AM SECTION SELECTOR : AM							
(1)	TUNING LEVEL	(D) 1000 (999) kHz 26dBμ(ANT. input)	(B)	—	VR804 (TUNER UNIT)	Adjust VR804 and stop at the point where FLT901 (TUNED) goes on.	
AUDIO SECTION							
<1>	IDLE CURRENT	—	Connect a DC voltmeter across CP1 (L), CP2 (R) (MAIN UNIT)	Volume : 0	VR201 (L) VR202 (R) (AUDIO UNIT)	10mV	(d)

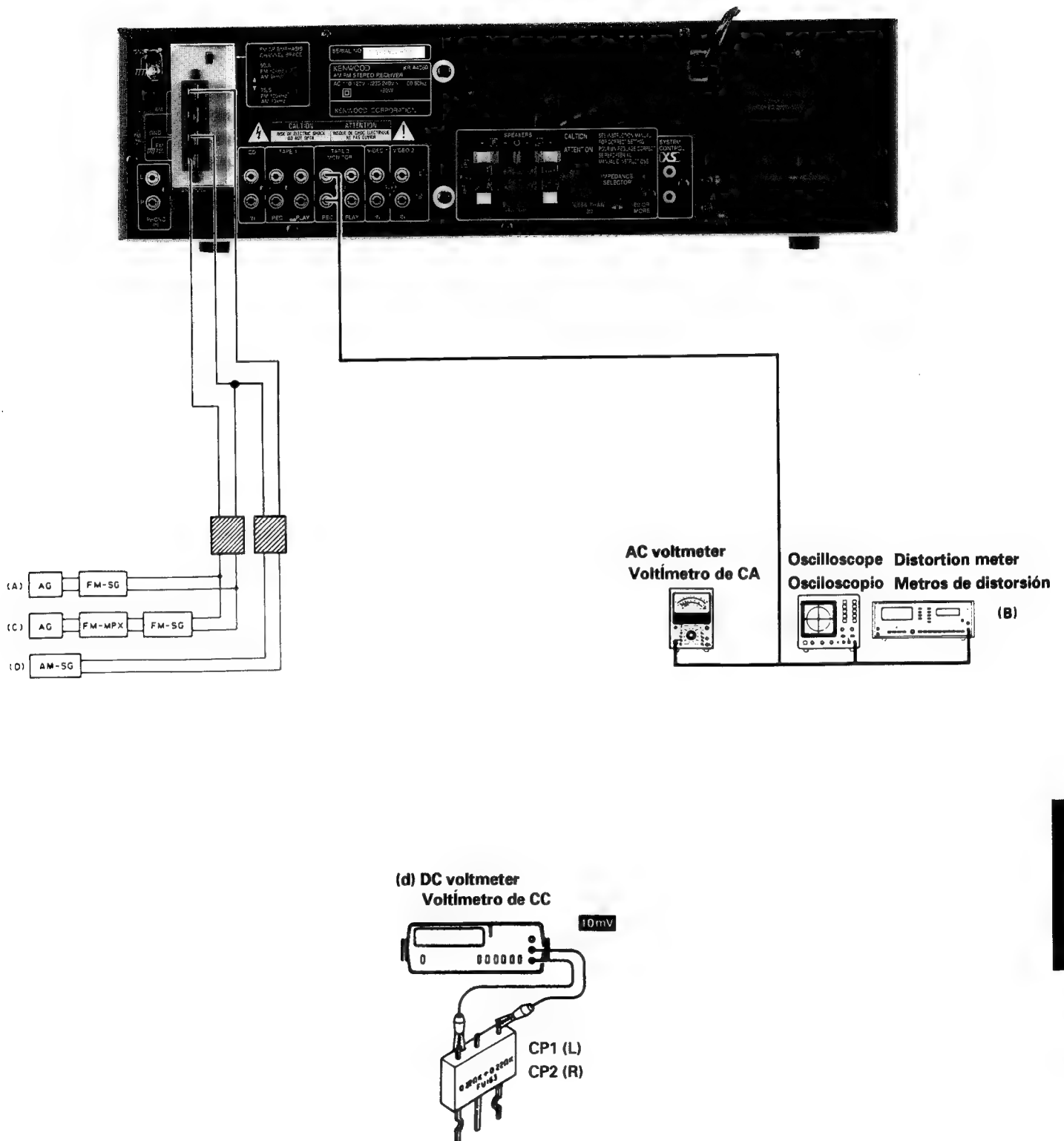
Sección de AM : Si el punto de alineación es "-", confirme el valor. Si no, reemplace el paquete de entrada.

Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG.
SECCIÓN DE FM SELECTOR : FM							
1	DISCRIMINADOR	(A) 98.0MHz 1kHz, ±75kHz dev. 60dBμ(Entrada de antena)	Conecte un voltímetro de CC entre TP803 y TP804. (UNIDAD DEL SINTONIZADOR)	AUTO o MONO 98.0MHz	L806 (UNIDAD DEL SINTONIZADOR)	0V.	(a)
2	VCO	(A) 98.0MHz 0 dev. 60dBμ(Entrada de antena)	Conecte un Frecuencímetro entre TP805 y TP806. (UNIDAD DEL SINTONIZADOR)	AUTO 98.0MHz	L802 (UNIDAD DEL SINTONIZADOR)	19.00kHz	(b)
3	DISTORSIÓN (ESTÉREO)	(C) 98.0MHz 1kHz, ±68.25kHz dev. Selector : L or R Pilot : ±6.75kHz dev. 60dBμ(Entrada de antena)	(B)	98.0MHz	IFT (W02-)	Distorsión mínima. (L o R)	
4	NIVEL DE SINTONÍA	(A) 98.0MHz 0 dev. 18dBμ(Entrada de antena)	(B)	AUTO o MONO 98.0MHz	VR801 (UNIDAD DEL SINTONIZADOR)	Ajuste VR801 y pare en el punto en el que se encienda FLT 901 (SINTONIZADO).	
SECCIÓN DE AM SELECTOR : AM							
(1)	NIVEL DE SINTONÍA	(D) 1000 (999) kHz 26dBμ(Entrada de antena)	(B)	—	VR804 (UNIDAD DEL SINTONIZADOR)	Ajuste VR801 y pare en el punto en el que se encienda FLT 901 (SINTONIZADO).	
SECCIÓN DE AUDIO							
<1>	CORRIENTE EN REPOSO	—	Conecte un voltímetro de CC entre CP1 (L) y CP2 (R) (UNIDAD PRINCIPAL)	Volumen : 0	VR201 (L) VR202 (R) (UNIDAD AUDIO)	10mV	(d)

EXCEPT E.T.

ADJUSTMENT/AJUSTES

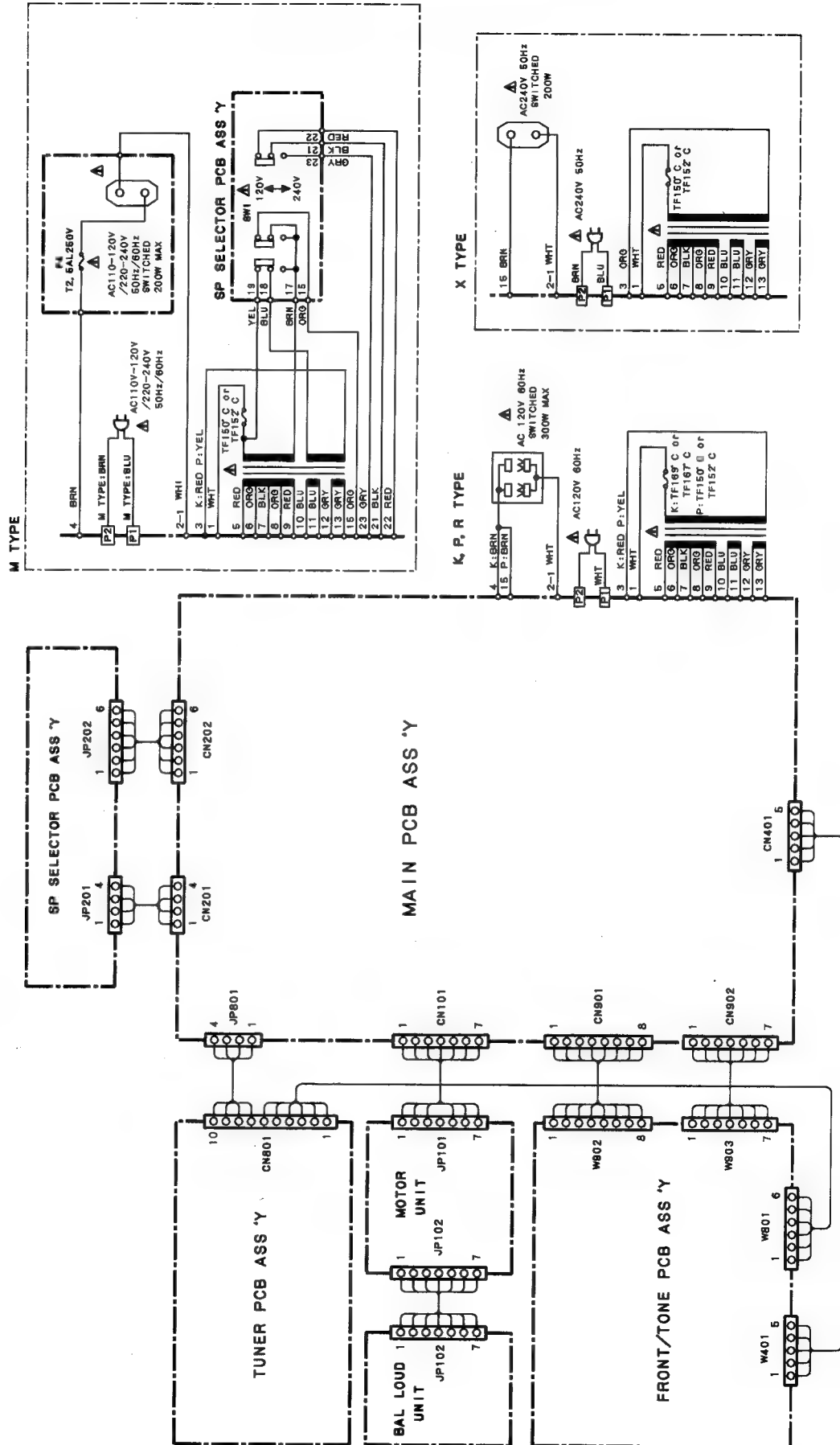
SYSTEM CONNECTIONS/CONEXIONES DEL SISTEMA



EXCEPT E.T.

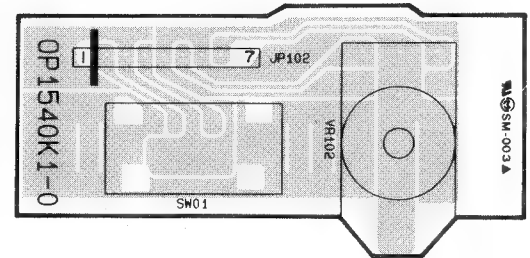
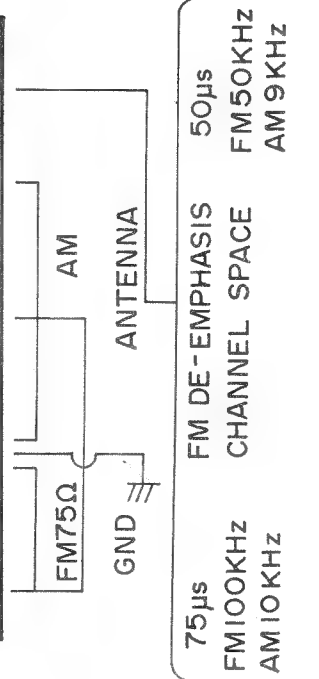
KR-A4060

WIRING DIAGRAM



EXCEPT E, J

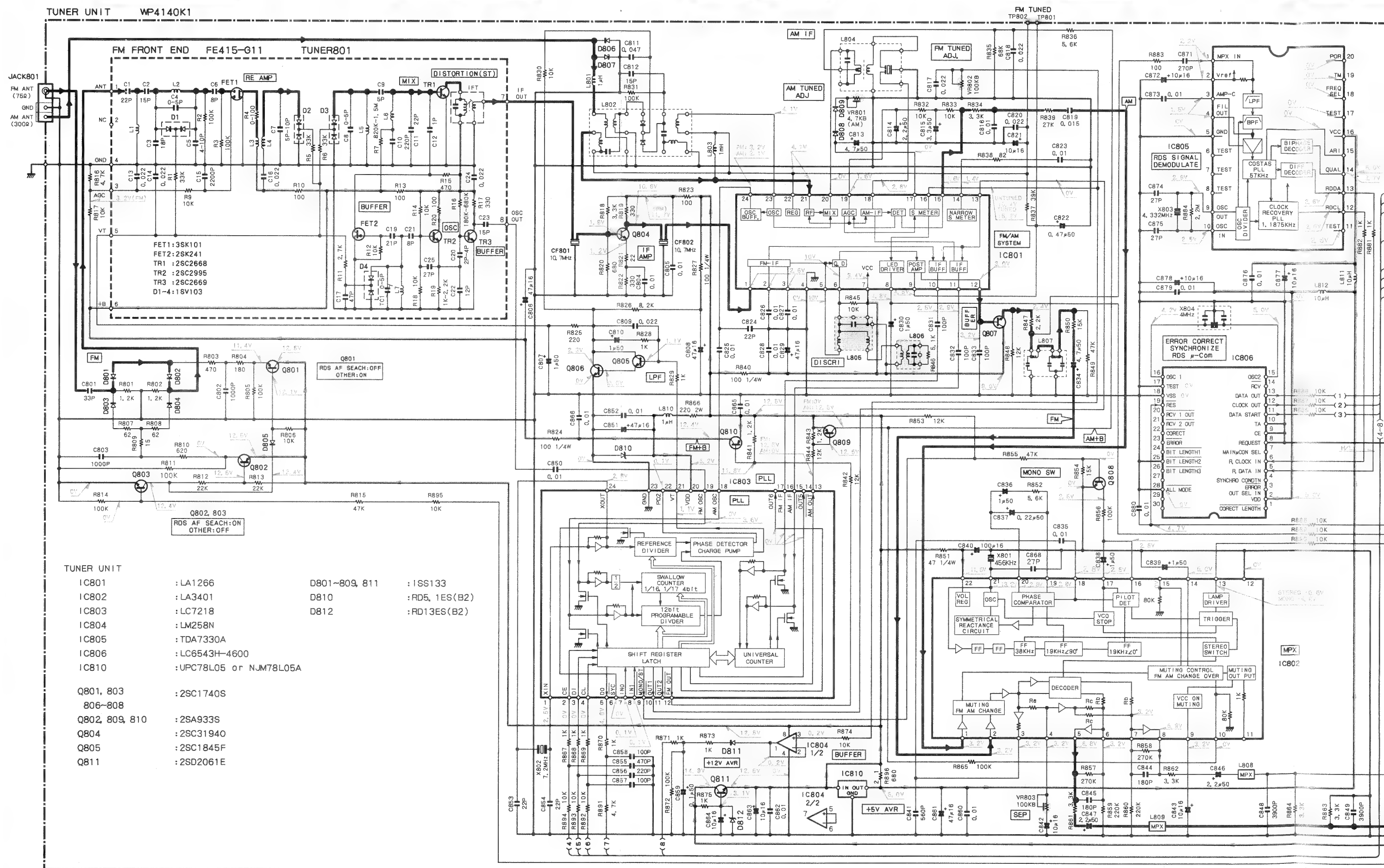
7

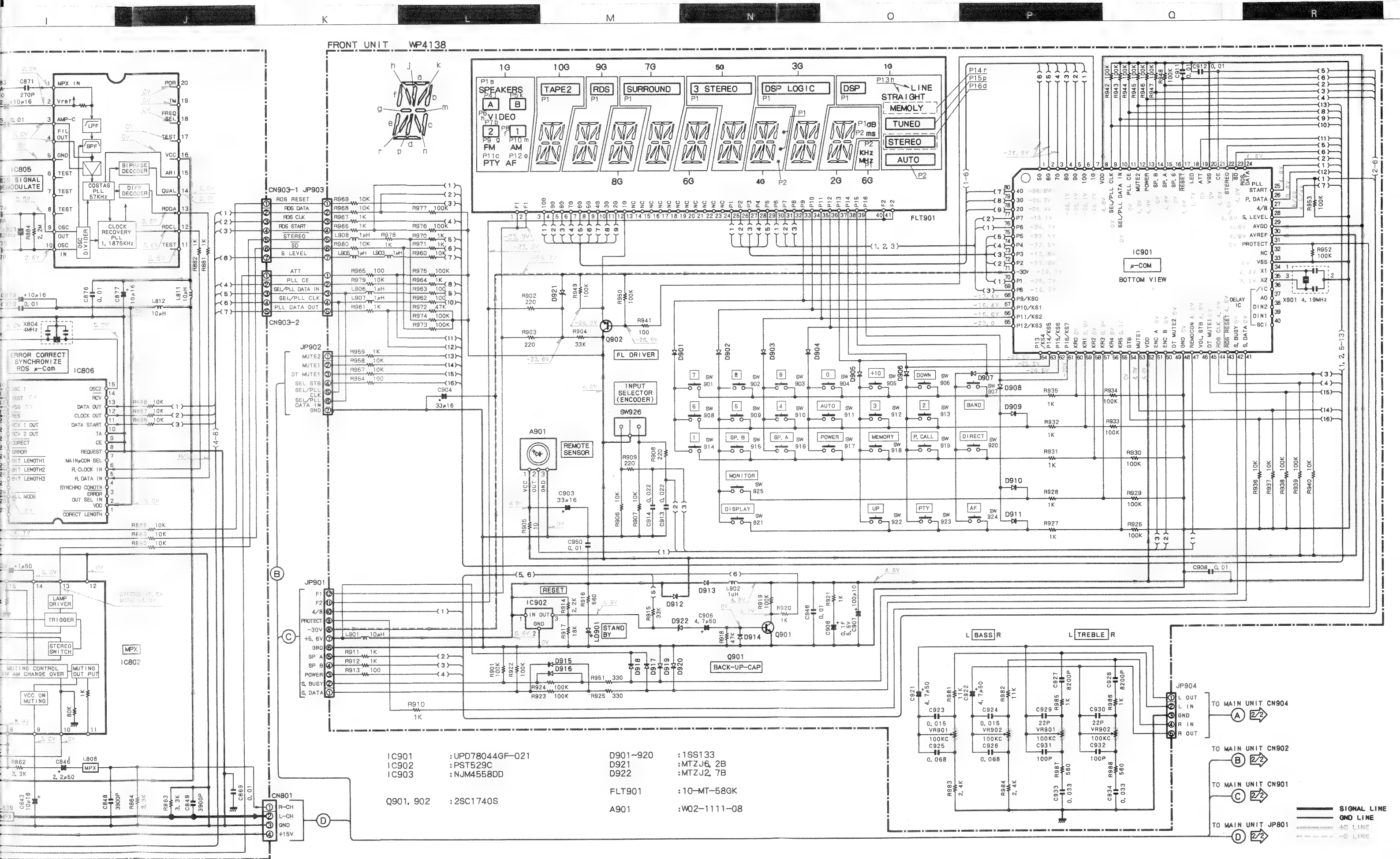


↓
FRONT

EXCEPT

7





U

V

W

X

Y

Z

AA

AB

AC

AD

WP4143K1:KR-A4060(E)
WP4143K2:KR-A4060(T)
MAIN UNIT WP4137K1:KR-A5060(E)

JP801

CN101

CN902

	ABB	REF. NO.	UNIT NAME	C15, C16
KR-A4060	E	WP4143K1	4700μ5C	
KR-A4060	T	WP4143K2	4700μ5C	
KR-A5060	E	WP4137K1	6800μ63	

TO FRONT UNIT
JP904
TO FRONT UNIT
JP902
TO FRONT UNIT
JP901
TO TUNER UNIT
CN801

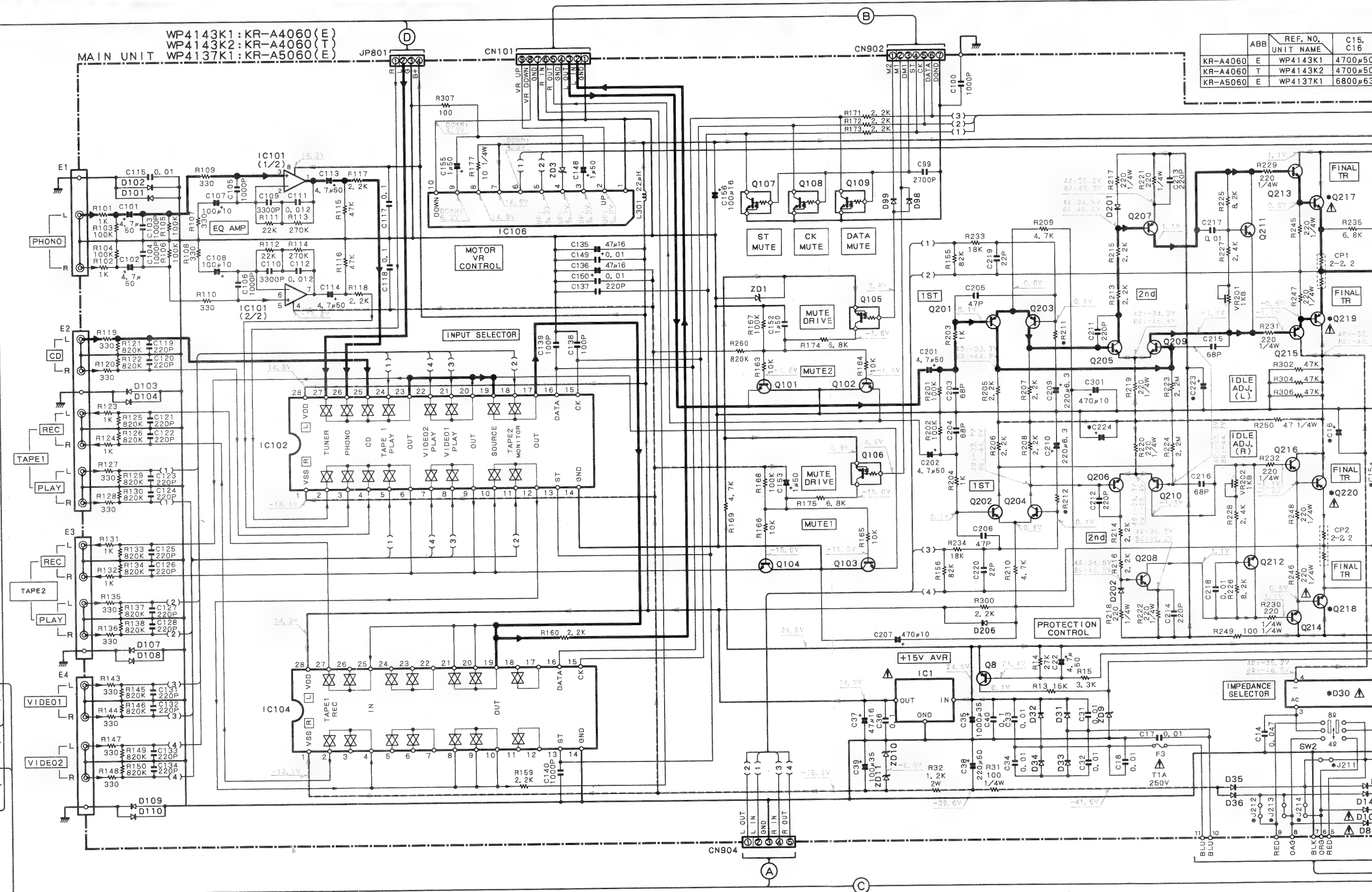
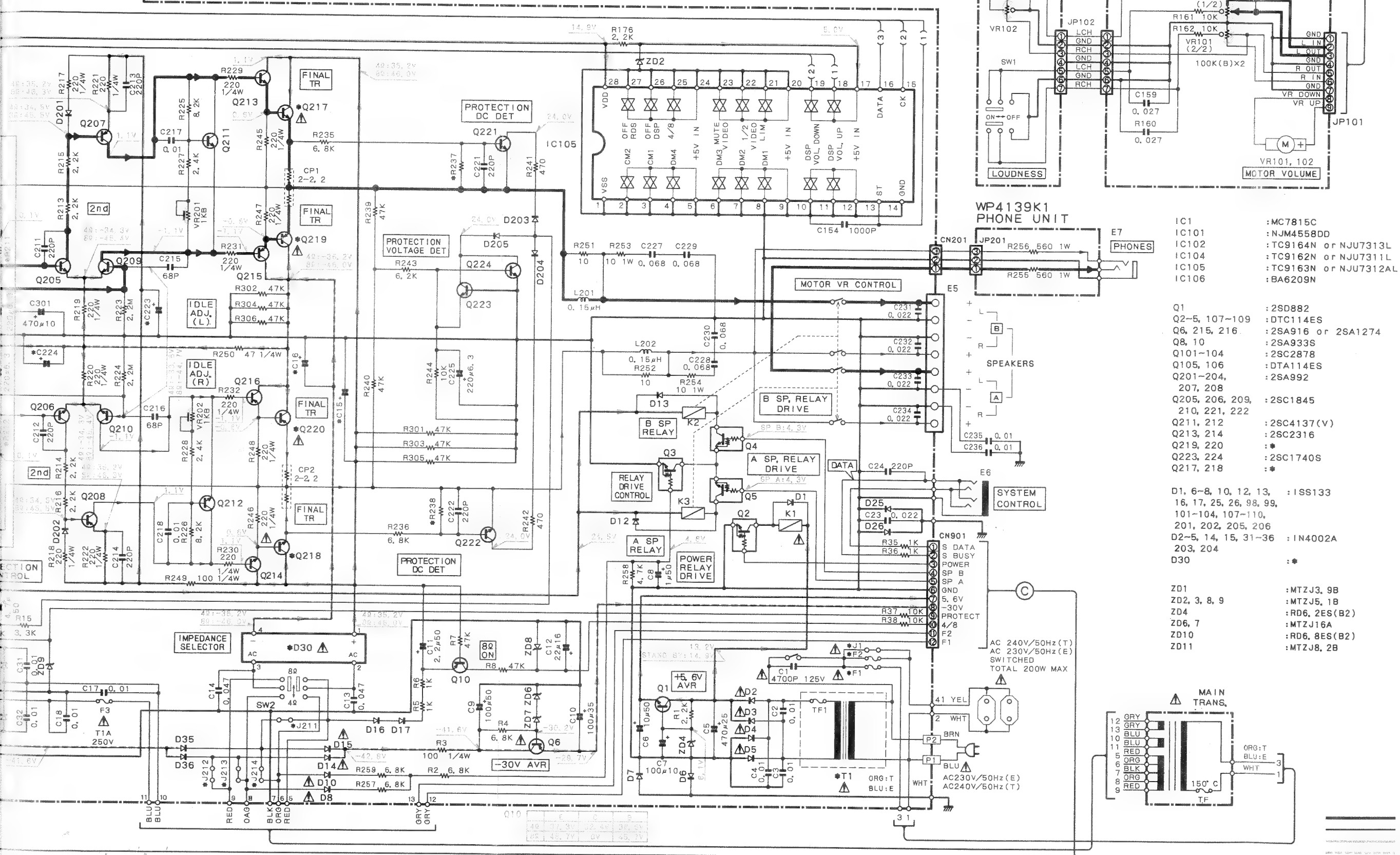


	ABB	REF. NO. UNIT NAME	C15, C16	C223	C224	D30	F1	F2	R211, R212	R237, R238	Q217, Q218	Q219, Q220	J211, J212	J213, J214	T1
KR-A4060	E	WP4143K1	4700 μ 50	47 μ 50	100 μ 50	DBF40C	T1, 6A/250V	T2, 5A/250V	820	2, 7K	2SC4467	2SA1694	YES	NO	L07-0828-08
KR-A4060	T	WP4143K2	4700 μ 50	47 μ 50	100 μ 50	DBF40C	T1, 6A/250V	J1	820	2, 7K	2SC4467	2SA1694	YES	NO	L07-0825-08
KR-A5060	E	WP4137K1	6800 μ 63	47 μ 63	100 μ 63	DBF60C	T2A/250V	T2, 5A/250V	680	2, 2K	2SC4468	2SA1695	NO	YES	L07-0828-08



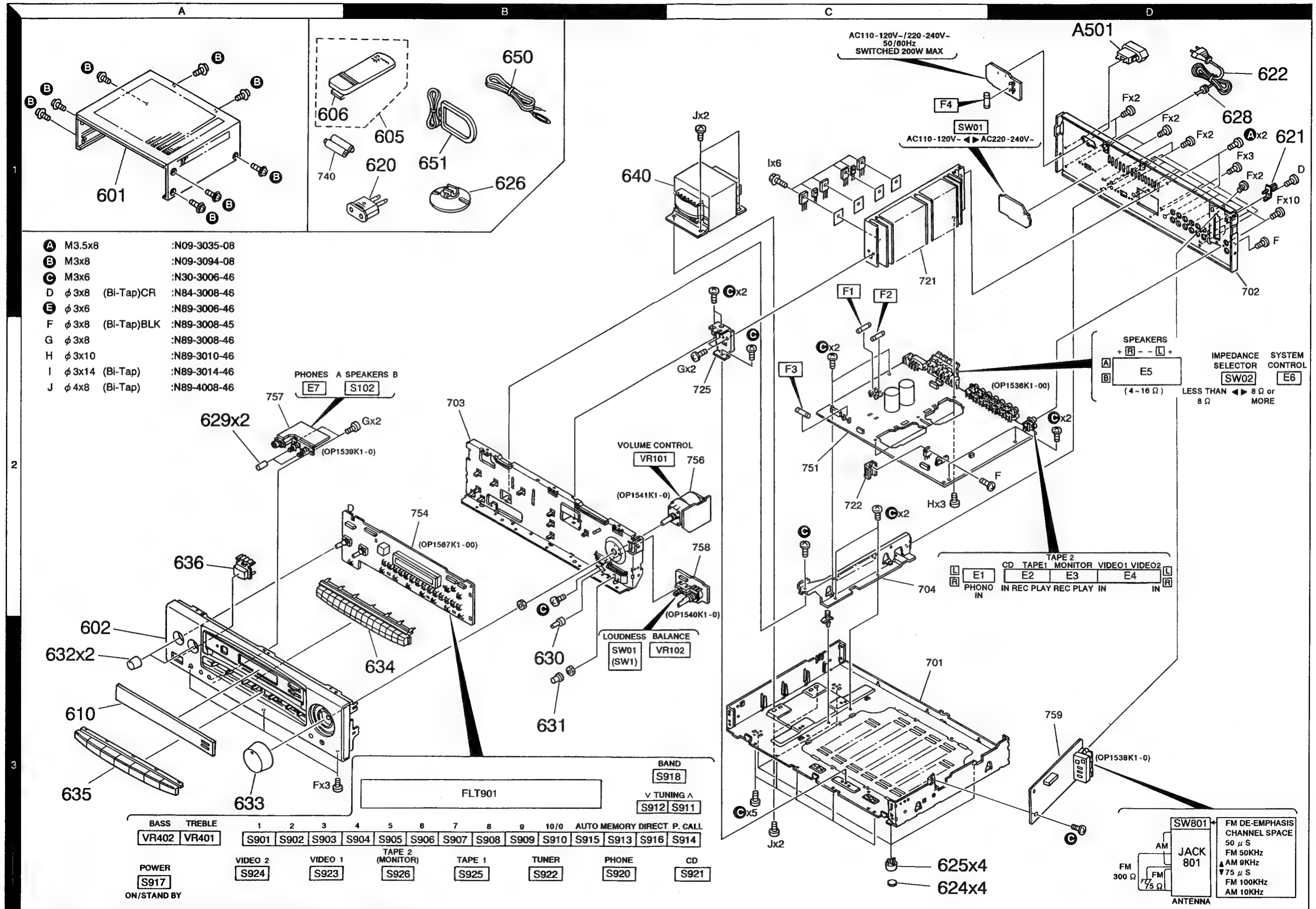
IC1 : MC7815C
 IC101 : NJM4558DD
 IC102 : TC9164N or NJU7313L
 IC104 : TC9162N or NJU7311L
 IC105 : TC9163N or NJU7312AL
 IC106 : BA6209N

Q1 : 2SD882
 Q2-5, 107-109 : DTC114ES
 Q6, 215, 216 : 2SA916 or 2SA1274
 Q8, 10 : 2SA933S
 Q101-104 : 2SC2878
 Q105, 106 : DTA114ES
 Q201-204, 207, 208 : 2SA992
 Q205, 206, 209, 210, 221, 222 : 2SC1845
 Q211, 212 : 2SC4137(V)
 Q213, 214 : 2SC2316
 Q219, 220 : *
 Q223, 224 : 2SC1740S
 Q217, 218 : *

D1, 6-8, 10, 12, 13, 16, 17, 25, 26, 98, 99, 101-104, 107-110, 201, 202, 205, 206 : 1SS133
 D2-5, 14, 15, 31-36 : 1N4002A
 D30 : *

ZD1 : MTZJ3, 9B
 ZD2, 3, 8, 9 : MTZJ5, 1B
 ZD4 : RD6, 2ES(B2)
 ZD6, 7 : MTZJ16A
 ZD10 : RD6, 8ES(B2)
 ZD11 : MTZJ8, 2B

KR-A4060 KR-A4060
EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

EXCEPT E.T.

35

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

1

Ref. No. 参照番号	Address 位置	New Parts 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向備考
KR-A4060					
601	1A	A01-3147-08	METALLIC CABINET	MX	
601	1A	A01-3148-08	METALLIC CABINET	KPR	
602	3A	A00-0434-08	FRONT PANEL		
605	1B	A00-0985-08	REMOTE CONTROL ASSY		
606	1A	A09-0170-08	BATTERY COVER		
610	3A	B46-0197-00	CARD REGISTRATION	K	
-		B10-2040-08	FRONT GLASS	K	
-		B46-0092-23	WARRANTY CARD	X	
-		B46-0096-33	WARRANTY CARD	P	
-		B46-0121-23	WARRANTY CARD		
-		B60-1577-08	INSTRUCTION MANUAL (ENGLISH)	KXR	
-		B60-1578-08	INSTRUCTION MANUAL (ENG, FRE)		
-		B60-1579-08	INSTRUCTION MANUAL (ENG, CHI)	M	
-		B60-1580-08	INSTRUCTION MANUAL (ENGLISH)	ET	
-		B60-1581-08	INSTRUCTION MANUAL (FR, GU, NU)	E	
-		B60-1582-08	INSTRUCTION MANUAL (SPA, ITA)	E	
-		B60-1619-08	INSTRUCTION MANUAL (SPANISH)	MR	
620	1B	E03-0115-05	AC PLUG ADAPTER	M	
621	1D	E21-0023-08	GND TERMINAL		
622	1D	E30-0459-05	AC POWER CORD	M	
622	1D	E30-0974-05	AC POWER CORD	KPR	
622	1D	E30-1341-05	AC POWER CORD	X	
624	1D	E03-0055-08	AC OUTLET	M	
A501	1D	E03-0123-08	AC OUTLET	KPR	
A501	1D	E03-0316-08	AC OUTLET	X	
624	3C	G13-0267-08	CUSHION		
-		H50-1028-08	ITEM CATCHBOX	KPR	
-		H50-1029-08	ITEM CATCHBOX	M	
-		H10-5855-08	POLYSTYRENE FOAMED FIXTURE		
-		H25-0078-04	PROTECTION BAG (ACCESSORY)		
-		H25-0647-08	PROTECTION BAG (MANUAL)		
-		H25-1543-08	PROTECTION BAG (UNIT)		
625	3C	J02-1107-08	FOOT		
626	1B	J19-2815-04	ANTENNA HOLDER		
628	1D	J42-0198-08	AC CORD BUSHING		
629	2A	K27-2033-08	KNOB SPEAKERS		
630	3B	K27-2166-08	KNOB LOUDNESS		
631	3B	K29-4444-08	KNOB BALANCE		
632	3A	K29-5952-08	KNOB BASS, TREBLE		
633	3A	K29-5953-08	KNOB VOLUME		
634	3B	K29-5954-08	KNOB PRESET (10KEY)		
635	3A	K29-5955-08	KNOB FUNCTION		
636	2A	K29-5956-08	KNOB POWER		
640	1B	L07-0388-08	TRANSFORMER	KPR	
640	1B	L07-1803-08	TRANSFORMER	M	
640	1B	L07-1804-08	TRANSFORMER	X	
A	2C	N09-2907-05	BINDING HEAD TAPITTE SCREW		
B	1A	N09-3094-08	BINDING HEAD TAPITTE SCREW		
C	2D	N30-3006-46	SCREW		
D	1D	N84-3006-46	TAPITTE SCREW		

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3

Ref. No. 参照番号	Address 位置	New Parts 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向備考
C211-214		CC45CHI1H221J	CERAMIC		
C215-216		CC45SL1H680J	CERAMIC		
C217-218		CC45FF1H103Z	CERAMIC		
C219-220		KHR-QP1801J6	CERAMIC		
C221-222		CC45CHI1H221J	CERAMIC		
C223		CE0AKW1J470M	ELECTRØ		
C224		CE0AKW1J101M	ELECTRØ		
C225		CE0AKW0J221M	ELECTRØ		
C229-230		C992FM1H33J	MYLAR		
C401-402		C992FM1H822J	MYLAR		
C407-408		C992FM1H33J	MYLAR		
C409-410		CE0AKW1H47M	ELECTRØ		
C411-412		C992FM1H53J	MYLAR		
C413-414		C992FM1H63J	MYLAR		
C801		CE0AKW1H101M	ELECTRØ		
C802		CE0AKW1C470M	ELECTRØ		
C803		C992FM1H273J	MYLAR		
C804		CE0AKW1H101M	ELECTRØ		
C805		CE0AKW1C470M	ELECTRØ		
C806-807		CC45F1H103M	CERAMIC		
C809		CK45FF1H223Z	CERAMIC		
C816		CK45FF1H223Z	CERAMIC		
C817		CE0AKW1H2R2M	ELECTRØ		
C818		CE0AKW1H47M	ELECTRØ		
C819		CK45FF1H223Z	CERAMIC		
C820		CE0AKW1H3R3M	ELECTRØ		
C821		CK45F1H103M	CERAMIC		
C822		CK45FF1H223Z	CERAMIC		
C823		CE0AKW1H223Z	ELECTRØ		
C824		CK45FF1H223Z	CERAMIC		
C825		C992FM1H153J	MYLAR		
C826		CE0AKW1H100M	ELECTRØ		
C827		CE0AKW1H47M	ELECTRØ		
C828-830		CK45F1H103M	CERAMIC		
C831		CC45CHI1H101J	CERAMIC		
C832		CK45F1H103M	CERAMIC		
C833		CE0AKW1C470M	ELECTRØ		
C839		C992FM1H471K	POLYSTY		
C845		CE0AKW1H62M	ELECTRØ		
C846-847		CE0AKW1H3R3M	ELECTRØ		
C842		CE0AKW1H47M	ELECTRØ		
C843		C992FM1H473J	MYLAR		
C844		CK45F1H471K	CERAMIC		
C845		CK45F1H103M	CERAMIC		
C846-847		CC45SL1H151K	CERAMIC		
C849		CE0AKW1C221M	ELECTRØ		
C850-851		CE0AKW1H101M	ELECTRØ		
C852		C992FM1H222J	MYLAR		
C853		C992FM1H562J	MYLAR		
C854-855		C992FM1H153J	MYLAR		
C854-855		CK45F1H103M	MYLAR		
C856		CE0AKW1C470M	ELECTRØ		
C857		CE0AKW1C470M	ELECTRØ		
C858-859		CC45CHI1H220J	CERAMIC		
C860-862		CC45CHI1H101J	CERAMIC		

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2

Ref. No. 参照番号	Address 位置	New Parts 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向備考
E	3A, 1D	N89-3008-45	BINDING HEAD TAPITTE SCREW		
F	2B, 2D	N89-3008-46	BINDING HEAD TAPITTE SCREW		
F	2B, 2D	N89-3014-46	BINDING HEAD TAPITTE SCREW		
G	1C, 3C	N89-4008-46	BINDING HEAD TAPITTE SCREW		
650	1B	T90-0182-05	T TYPE ANTENNA		
651	1B	T90-0184-08	LOOP ANTENNA		
ELECTRIC PARTS					
D901		B30-0413-05	LED (LT4213(RED)POWER)		
C1		CC45CHI1H472J	CERAMIC		
C6		CE0AKW1E471M	ELECTRØ		
C7		CE0AKW1H100M	ELECTRØ		
C8		CE0AKW1A101M	ELECTRØ		
C9		CE0AKW1H010M	ELECTRØ		
C10		CE0AKW1H101M	ELECTRØ		
C11		CE0AKW1H010M	ELECTRØ		
C12		CE0AKW1C470M	ELECTRØ		
C13-14		CK45F81H473Z	CERAMIC		
C15-16		C90-0366-05	ELECTRØ		
C22		CE0AKW1H47M	ELECTRØ		
C23		CK45FF1H223Z	CERAMIC		
C2-4		CK45FF1H103Z	CERAMIC		
C24		CK45CHI1H102J	CERAMIC		
C32-33		CK45FF1H103Z	CERAMIC		
C35		CE0AKW1E471M	ELECTRØ		
C36		CK45FF1H104Z	CERAMIC		
C37		CE0AKW1C470M	ELECTRØ		
C38		CE0AKW1H221M	ELECTRØ		
C39		CE0AKW1C101M	ELECTRØ		
C40		CK45FF1H104Z	CERAMIC		
C101-102		CE0AKW1H47M	ELECTRØ		
C103-104		CC45CHI1H221J	CERAMIC		
C105-106		CK45CHI1H102J	CERAMIC		
C107-108		CE0AKW1A101M	ELECTRØ		
C109-110		C992FM1H332J	MYLAR		
C111-112		C992FM1H123J	MYLAR		
C113-114		CE0AKW1H47M	ELECTRØ		
C115		CK45FF1H103Z	CERAMIC		
C117-118		CE0AKW1C470M	ELECTRØ		
C135-136		CK45FF1H472Z	CERAMIC		
C137		CK45CHI1H22J	CERAMIC		
C138-139		CK45FF1H102J	CERAMIC		
C149-150		CK45FF1H103Z	CERAMIC		
C151		CE0AKW1C470M	ELECTRØ		
C152		CE048P1H010M	MP-ELEC		
C153-155		CE048P1H010M	ELECTRØ		
C156		CE0AKW1H101M	ELECTRØ		
C157		CE0AKW1H47M	ELECTRØ		
C159-160		C992FM1H273J	MYLAR		
C201-202		CE0AKW1H47M	ELECTRØ		
C203-204		CC45SL1H680J	CERAMIC		
C205-208		CC45SL1H101J	ELECTRØ		
C209-210		CE0AKW1A101M	ELECTRØ		

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4

Ref. No. 参照番号	Address 位置	New Parts 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向備考
C863		CK45F1H103M	CERAMIC		
C864		C992FM1H222J	MYLAR		
C865		C992FM1H562J	MYLAR		
C890		CC45CHI1H220J	CERAMIC		
C902		CE0AKW1H47M	ELECTRØ		
C903		CK45F1H103M	CERAMIC		
C904		CE0AKW1H101M	ELECTRØ		
C905		C90-1827-05	ELECTRØ		
C906-907		CK45F1H103M	CERAMIC		
C908		CC45CHI1H221J	CERAMIC		
C910		CK45FF1H104Z	CERAMIC		
C920		CE0AKW1H100M	ELECTRØ		
C921		CK45FF1H104Z	CERAMIC		
C922		CE0AKW1A101M	ELECTRØ		
C923		CK45F81H473Z	CERAMIC		
C926		CC45SL1H101J	CERAMIC		
A501	1D	E03-0144-08	AC OUTLET		
E1		E13-0249-05	TERMINAL BOARD PHONO		
E2		E63-0118-08	TERMINAL BOARD CD TAPE1		
E5		E70-0004-08	TERMINAL BOARD SPEAKERS		
E6		E11-0188-05	PHONE JACK		
E7		E11-0263-08	PHONE JACK		
E3-4		E13-0445-05	TERMINAL BOARD VIDEO1,2		
JACK801		E70-0005-08	TERMINAL BOARD ANTENNA		
F1		F04-5022-05	FUSE UL/CSA 5A(125V)		
F1		F06-2021-05	FUSE T2.0AL(250V)		
F2		F05-2525-05	FUSE T2.5AL(250V)		
F2		F06-2525-05	FUSE UL/CSA 2.5A(125V)		
F3		F06-1022-05	FUSE T1.0AL(250V)		
F3		KHT-JF1209L1	FUSE UL/CSA T1.0A(250V)		
F4		F06-2021-05	FUSE T2.0AL(250V)		
		J13-0084-08	FUSE HOLDER		
CF801-802		L72-0531-05	CERAMIC FILTER		
CF803		L72-0096-05	CERAMIC FILTER		
L201-202		L39-1303-08	INDUCTOR		
L801		L40-1091-17	SMALL FIXED INDUCTOR 10H		
L802		L39-0189-05	COIL		
L804		L30-0488-05	IFT-AM		
L806		L30-0439-05	IFT-FM		
L901		L40-1001-17	COIL INDUCTOR 100H		
T1		L07-0408-08	TRANS FORMER		
T1		L07-0789-08	TRANS FORMER		
T1		L07-0790-08	TRANS FORMER		
X801		L77-1122-05	CRYSTAL RESONATOR 7.2MHz		
F	2D	L78-0209-05	RESONATOR		
		N89-3008-46	BINDING HEAD TAPITTE SCREW		
Cp1-2		R90-0187-05	0-22 J 5W		
R0		KHR-RC3356J0	3-3M J 1/2W		
R3		RD14G82E101J	FL-PRØØF RD 100 J 1/4W		
R31		RD14G82E101J	FL-PRØØF RD 100 J 1/4W		
R32		RS14D83D122J	FL-PRØØF RS 1-2K J 2W		

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KR-A4060

PARTS LIST

KR-A4060

PARTS LIST

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Teile ohne **Parts No.** werden nicht geliefert.

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5

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
R177		RD14GB2E100J	FL-PROOF RD 10	J 1/4W	
R217-222		RD14GB2E221J	FL-PROOF RD 220	J 1/4W	
R229-232		RD14GB2E470J	FL-PROOF RD 47	J 1/4W	
R245-248		RD14GB2E221J	FL-PROOF RD 220	J 1/4W	
R249		RD14GB2E101J	FL-PROOF RD 100	J 1/4W	
R250		RD14GB2E470J	FL-PROOF RD 47	J 1/4W	
R253-254		RS14DB3A100J	FL-PROOF RS 10	J 1W	
R255, 256		RS14DB3A561J	FL-PROOF RS 560	J 1W	
R806		RD14GB2E101J	FL-PROOF RD 100	J 1/4W	
R810		RD14GB2E101J	FL-PROOF RD 100	J 1/4W	
R836		RD14GB2E101J	FL-PROOF RD 100	J 1/4W	
R851		RD14GB2E201J	FL-PROOF RD 220	J 1/4W	
R869		RD14GB2E221J	FL-PROOF RD 220	J 1/4W	
VR101		R39-0001-08	POTENTIOMETER VOLUME 100KBX2		
VR102		R10-5071-08	POTENTIOMETER BALANCE		
VR201, 202		R12-1066-05	TRIMMING POT. IDLE ADJ. 1KB		
VR401, 402		R39-0002-08	POTENTIOMETER BASS, TREBLE 100KC		
VR801		R12-3166-08	TRIM POT. 33KB FM TUNE LEVEL		
VR802		R12-1053-05	TRIM POT. 4.7KB VC0		
VR804		R12-3071-05	TRIM POT. 10KB AM TUNE LEVEL		
K1		KHR-0Y0026M1	MAGNETIC RELAY POWER		
K2		S76-0035-08	MAGNETIC RELAY SPEAKER		
S102		S42-2156-05	PUSH SWITCH SPEAKERS		
S901-918		S70-0030-08	TACT SWITCH KEY BOARD		
S920-926		S70-0030-08	TACT SWITCH KEY BOARD		
SW01		S31-3010-05	SLIDE SWITCH VOLTAGE SELECT	M	
SW1		S68-0040-08	PUSH SWITCH LOUDNESS		
SW2		S62-0032-08	SLIDE SWITCH IMPEDANCE SEL		
SW801		S62-0012-08	SLIDE SWITCH CH. SPACE	M	
D1		1SS131	DIODE		
D12		1SS131	DIODE		
D2-5		1N4002A	DIODE		
D30		DBF60C	DIODE		
D6-9		1SS131	DIODE		
D101-112		1SS131	DIODE		
D107-110		1SS131	DIODE		
D14, 15		1N4002A	DIODE		
D201-205		1SS131	DIODE		
D25, 26		1SS131	DIODE		
D31-36		1N4002A	DIODE		
D37, 38		1SS131	DIODE		
D801, 802		1SS133	DIODE		
D810		RD5, 1ES(B2)	ZENER DIODE		
D811, 812		1SS133	DIODE		
D902-904		1SS133	DIODE		
D905		MTZJ6.8B	ZENER DIODE		
D908		1SS133	DIODE		
D909-918		1SS133	DIODE		
D920		RD4, 7ES(B2)	ZENER DIODE		
D921		1SS133	DIODE		
D924		1SS133	DIODE		
PLT901		5-MT-167GK	FLUORESCENT INDICATOR TUBE		
IC1		KIA78012AP	IC(+12V AVR)		
IC101		NJM4558DD	IC(6P AMP X2)	KPR	

6

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
IC102		NJU7313L	IC(ANALOG SWITCH)		
IC102		TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC104		NJU7311L	IC(ANALOG SWITCH)		
IC104		TC9162N	IC(ANALOG SWITCH ARRAY)		
IC106		BA6209N	IC(MOTOR DRIVER)		
IC801		LA1265	IC(FM/AM TUNER)		
IC802		AN7470	IC(FM MPX)		
IC803		LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
IC901		CXP5016-52AS	IC(4bit MICROPROCESSOR)		
IC901		CXP5016-53IS	IC(4bit MICROPROCESSOR)		
Q1		2SC2316	TRANSISTOR		
Q4		2SC1740S	TRANSISTOR		
Q7		DTA114ES	DIGITAL TRANSISTOR		
Q8		2SA916	TRANSISTOR		
Q2, 3		DTA114ES	DIGITAL TRANSISTOR		
Q5, 6		2SA933	TRANSISTOR		
Q101-104		2SC2878	TRANSISTOR		
Q105, 106		DTA114TS	DIGITAL TRANSISTOR		
Q201-204		2SA992	TRANSISTOR		
Q205, 206		2SC1845	TRANSISTOR		
Q207, 208		2SA992	TRANSISTOR		
Q209, 210		2SC1845	TRANSISTOR		
Q211, 212		2SC4137	TRANSISTOR		
Q213, 214		2SC2316	TRANSISTOR		
Q215, 216		2SA916	TRANSISTOR		
Q217, 218		2SC4468	TRANSISTOR		
Q219, 220		2SA1695	TRANSISTOR		
Q221, 222		2SC1845	TRANSISTOR		
Q223, 224		2SC1740S	TRANSISTOR		
Q801		KTC31940	TRANSISTOR		
Q803		2SC1740S	TRANSISTOR		
Q804		2SC1845F	TRANSISTOR		
Q808, 809		2SA933S	TRANSISTOR		
Q811, 812		2SC1740S	TRANSISTOR		
Q901		2SA933S	TRANSISTOR		
Q902		2SC1740S	TRANSISTOR		
Q903		DTA143TS	TRANSISTOR		
ZD1		MTZJ3.9B	ZENER DIODE		
ZD3		MTZJ5.1B	ZENER DIODE		
ZD4		MTZJ6.2B	ZENER DIODE		
ZD6		RD15ES(B2)	ZENER DIODE		
ZD7		MTZ12B	ZENER DIODE		
ZD10, 11		MTZJ6.2B	ZENER DIODE		
A901		W02-1111-08	ELECTRIC CIRCUIT MODULE		
TU801		W02-2504-08	FM FRONT END UNIT		

L: Scandinavia K: USA P: Canada R: Mexico
Y: PX (Far East, Hawaii) T: England G: Germany
V: APFES (Europe) X: Australia M: Other Areas

L: Scandinavia K: USA P: Canada R: Mexico
Y: PX (Far East, Hawaii) T: England G: Germany
V: APFES (Europe) X: Australia M: Other Areas

△ indicates safety critical components.

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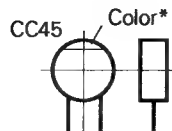
EXCEPT

PARTS LIST

CAPACITORS

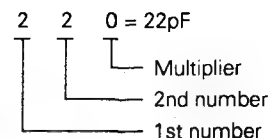
CC 45 TH 1H 220 J
1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc. 4 = Voltage rating
2 = Shape ... round, square, ect. 5 = Value
3 = Temp. coefficient 6 = Tolerance



• Capacitor value

- 010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7

(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7

(Chip) (B, F)

Refer to the table above.

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

• Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7

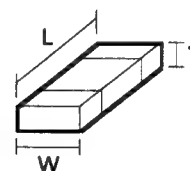
(Chip) (B, F)

• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

- 1 = Type 5 = Rating wattage
2 = Shape 6 = Value
3 = Dimension 7 = Tolerance
4 = Temp. coefficient

Dimension



Dimension (Chip resistor)

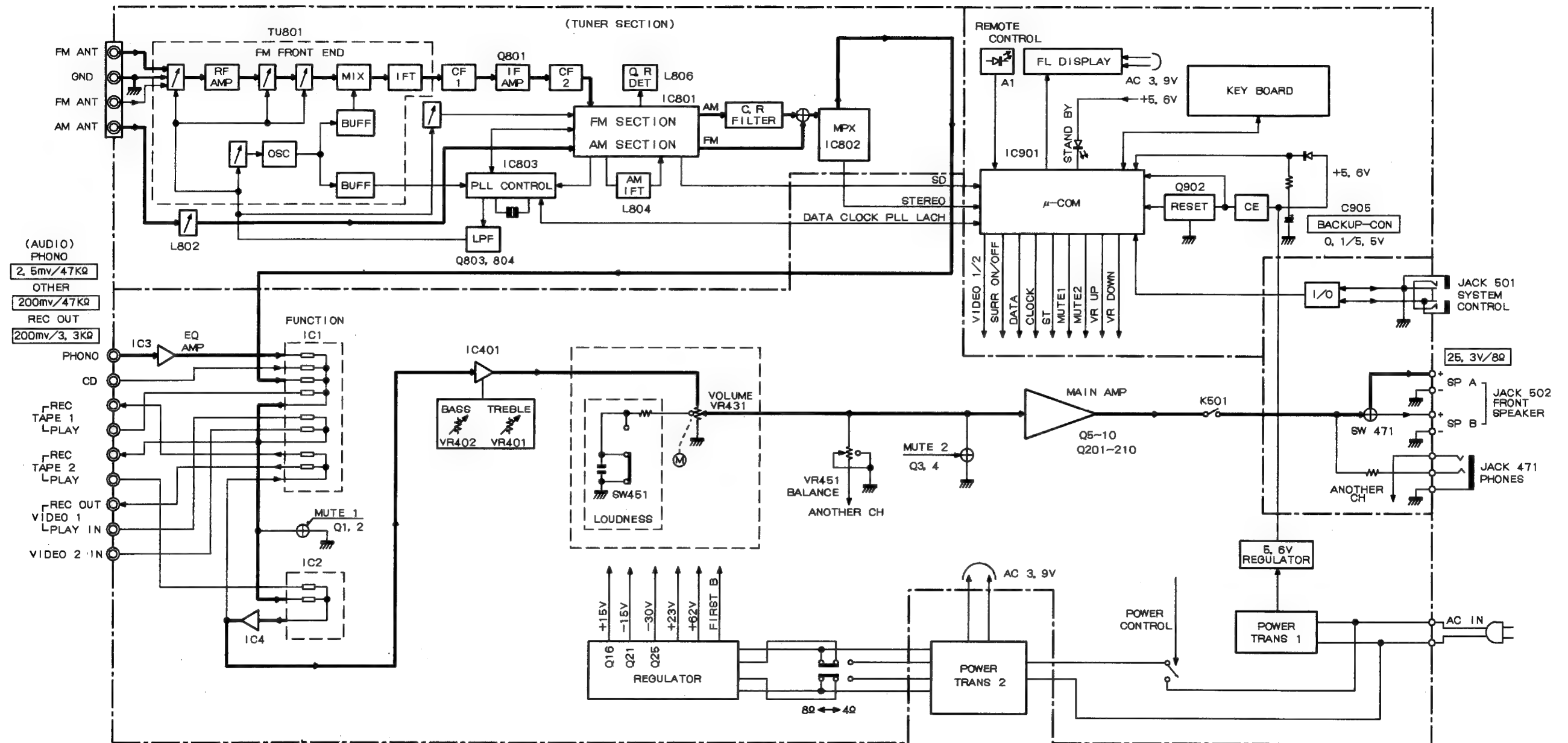
Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

KR-A5060 KR-A5060

BLOCK DIAGRAM



ADJUSTMENT

AM section : If alignment point is "-", confirm the value. If not, replace the front end pack.

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		SELECTOR : FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±75kHz dev. 60dBμ (ANT. input)	Connect a DC voltmeter between TP803 and TP804. (TUNER UNIT)	AUTO or MONO 98.0MHz	L806 (TUNER UNIT)	0V.	(a)
2	VCO	(A) 98.0MHz 0 dev. 60dBμ (ANT. input)	Connect a frequency counter between TP805 and TP806. (TUNER UNIT)	AUTO 98.0MHz	L802 (TUNER UNIT)	19.00kHz	(b)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25kHz dev. Selector : L or R Pilot : ±6.75kHz dev. 60dBμ (ANT. input)	(B)	98.0MHz	IFT (W02-)	Minimum distortion. (L or R)	
4	TUNING LEVEL	(A) 98.0MHz 0 dev. 18dBμ (ANT. input)	(B)	AUTO or MONO 98.0MHz	VR801 (TUNER UNIT)	Adjust VR801 and stop at the point where FLT901 (TUNED) goes on.	
AM SECTION		SELECTOR : AM					
(1)	TUNING LEVEL	(D) 1000 (999) kHz 26dBμ (ANT. input)	(B)	-	VR804 (TUNER UNIT)	Adjust VR804 and stop at the point where FLT901 (TUNED) goes on.	
AUDIO SECTION							
<1>	IDLE CURRENT	-	Connect a DC voltmeter across CP1 (L), CP2 (R) (MAIN UNIT)	Volume : 0	VR1 (L) VR2 (R) (AUDIO UNIT)	10mV	(d)

AJUSTES

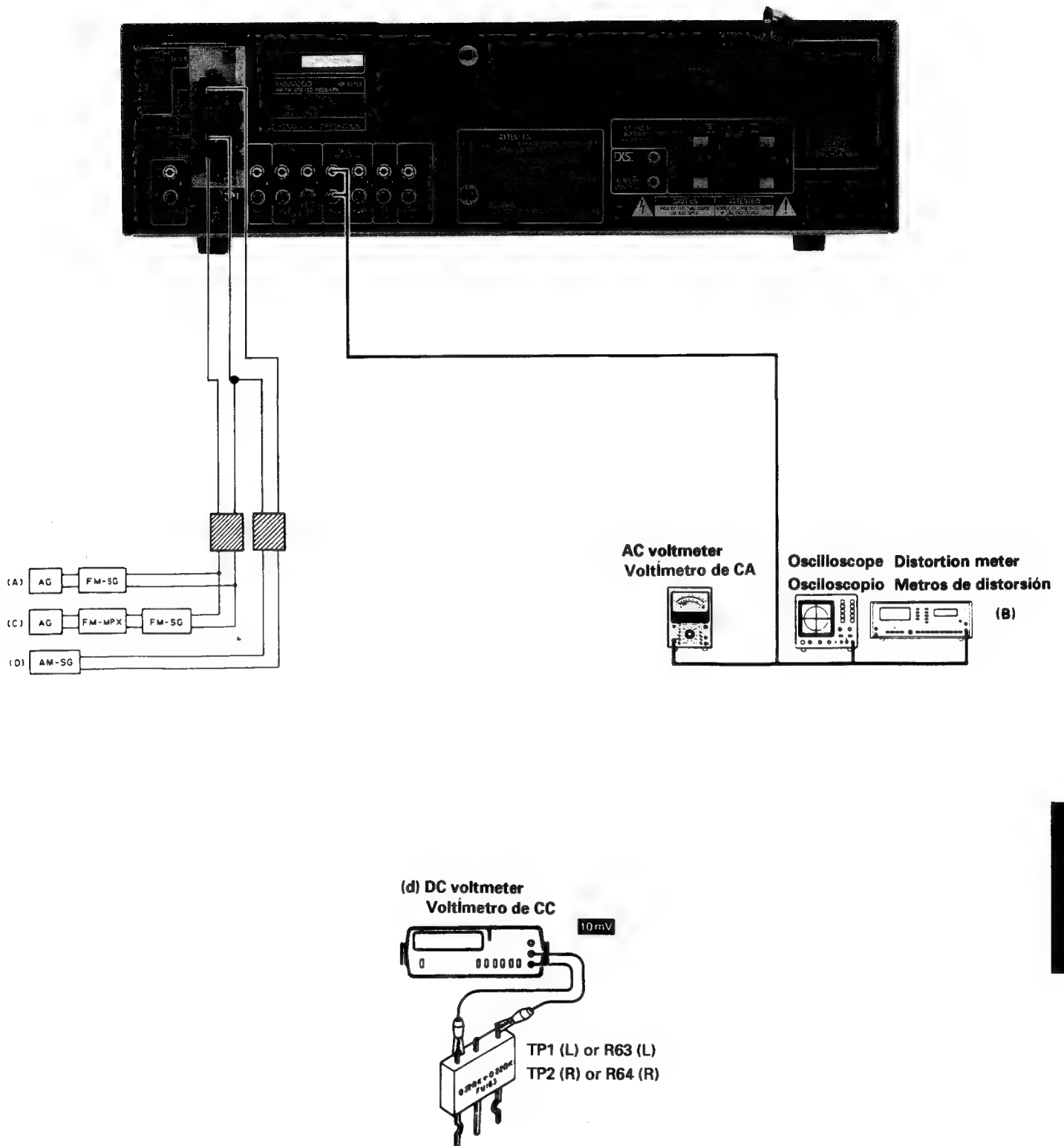
Sección de AM : Si el punto de alineación es "-", confirme el valor. Si no, reemplace el paquete de entrada.

Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG.
SECCIÓN DE FM		SELECTOR : FM					
1	DISCRIMINADOR	(A) 98.0MHz 1kHz, ±75kHz dev. 60dBμ (Entrada de antena)	Conecte un voltímetro de CC entre TP803 y TP804. (UNIDAD DEL SINTONIZADOR)	AUTO o MONO 98.0MHz	L806 (UNIDAD DEL SINTONIZADOR)	0V.	(a)
2	VCO	(A) 98.0MHz 0 dev. 60dBμ (Entrada de antena)	Conecte un Frecuencímetro entre TP805 y TP806. (UNIDAD DEL SINTONIZADOR)	AUTO 98.0MHz	L802 (UNIDAD DEL SINTONIZADOR)	19.00kHz	(b)
3	DISTORSIÓN (ESTÉREO)	(C) 98.0MHz 1kHz, ±68.25kHz dev. Selector : L or R Pilot : ±6.75kHz dev. 60dBμ (Entrada de antena)	(B)	98.0MHz	IFT (W02-)	Distorsión mínima. (L o R)	
4	NIVEL DE SINTONÍA	(A) 98.0MHz 0 dev. 18dBμ (Entrada de antena)	(B)	AUTO o MONO 98.0MHz	VR801 (UNIDAD DEL SINTONIZADOR)	Ajuste VR801 y pare en el punto en el que se encienda FLT 901 (SINTONIZADO).	
SECCIÓN DE AM		SELECTOR : AM					
(1)	NIVEL DE SINTONÍA	(D) 1000 (999) kHz 26dBμ (Entrada de antena)	(B)	-	VR804 (UNIDAD DEL SINTONIZADOR)	Ajuste VR801 y pare en el punto en el que se encienda FLT 901 (SINTONIZADO).	
SECCIÓN DE AUDIO							
<1>	CORRIENTE EN REPOSO	-	Conecte un voltímetro de CC entre TP1 (L) y TP2 (R) (UNIDAD PRINCIPAL)	Volumen : 0	VR1 (L) VR2 (R) (UNIDAD AUDIO)	10mV	(d)

EXCEPT E.T

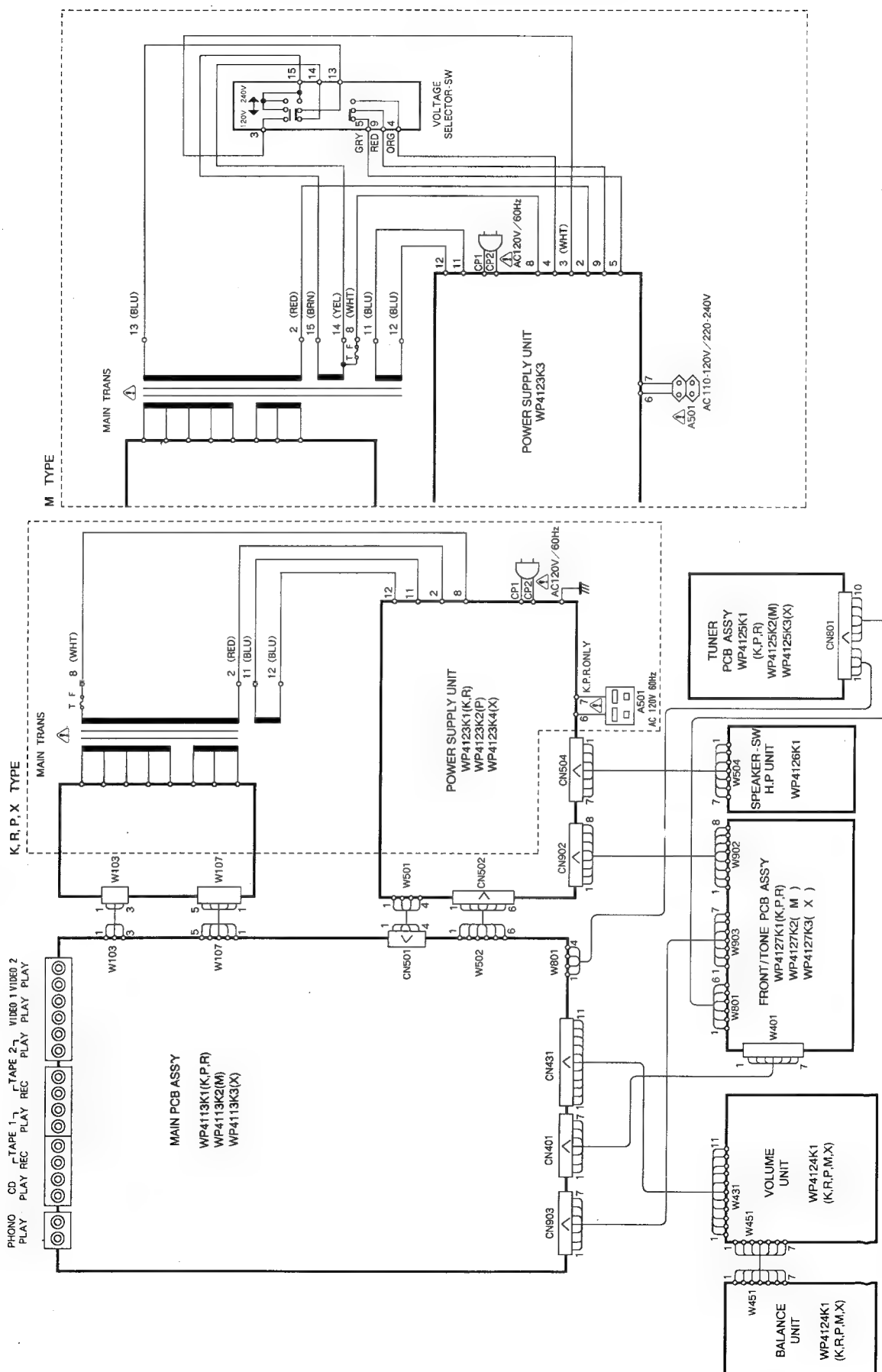
ADJUSTMENT/AJUSTES

SYSTEM CONNECTIONS/CONEXIONES DEL SISTEMA



KR-A5060

WIRING DIAGRAM

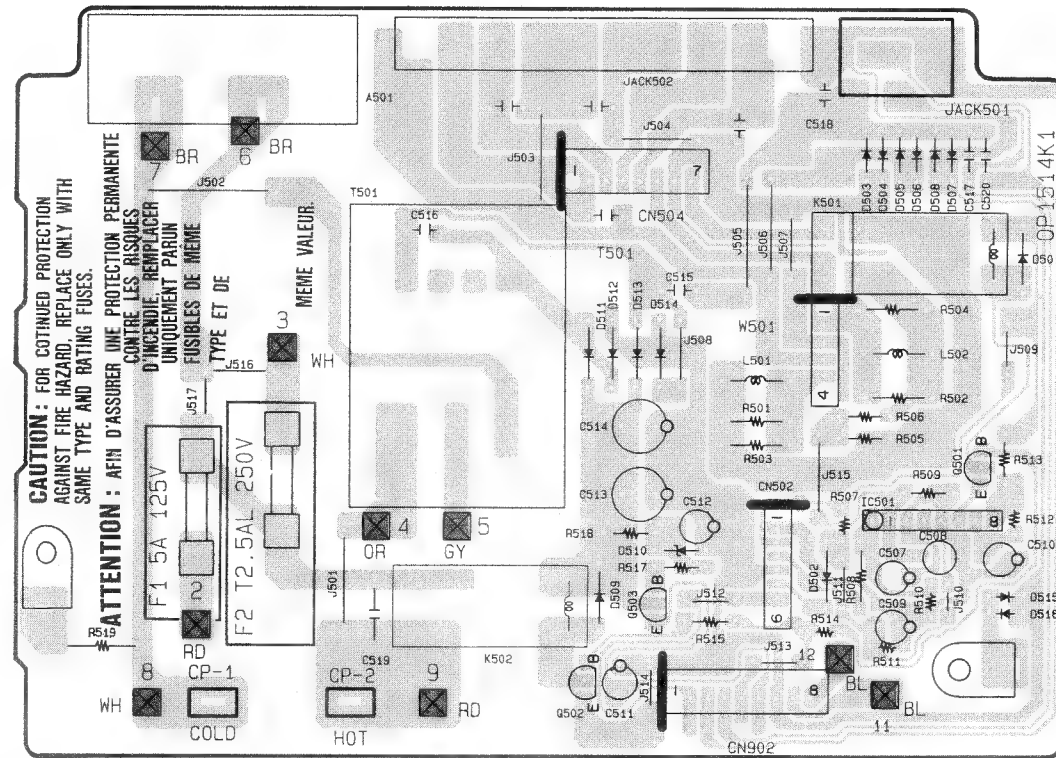


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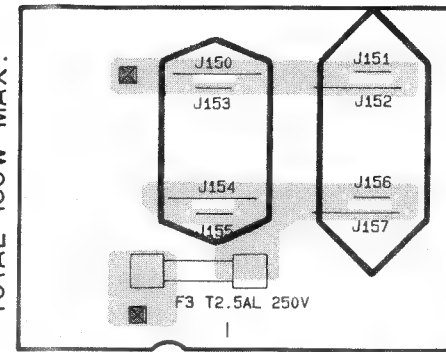
PC BOARD (COMPONENT SIDE VIEW) : KR-A5060

SPEAKERS
(A or B : 4-16Ω, A and B : 8-16Ω)
+ L - - R +

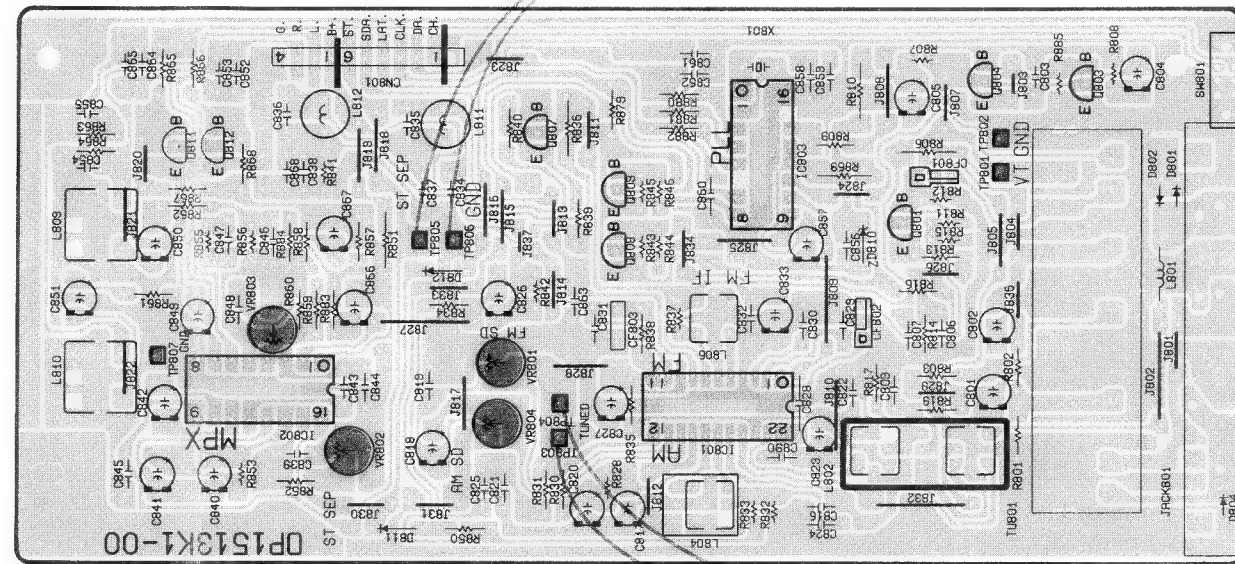
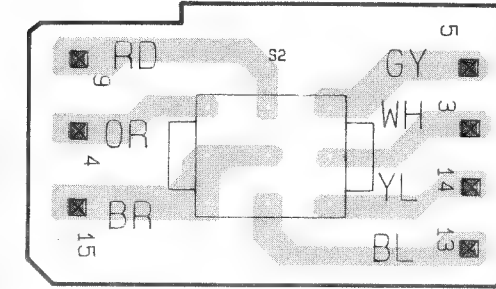
A SYSTEM
B CONTROL



AC110-120V/220-240V~
50/60Hz
SWITCHED
TOTAL 150W MAX.

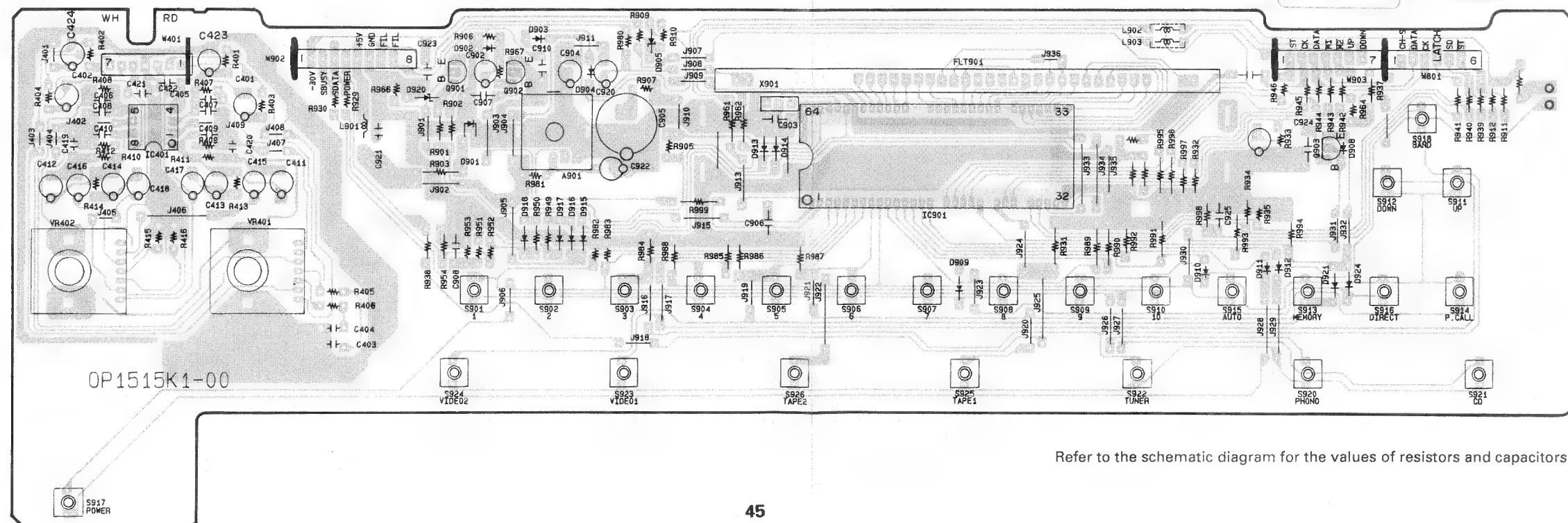
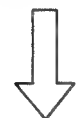


AC220-240V~ AC110-120V~



FM300Q 75μs 50μs
AM10KHz AM9KHz
FM100KHz FM50KHz
DE-EMPHASIS
CHANNEL SPACE

FRONT

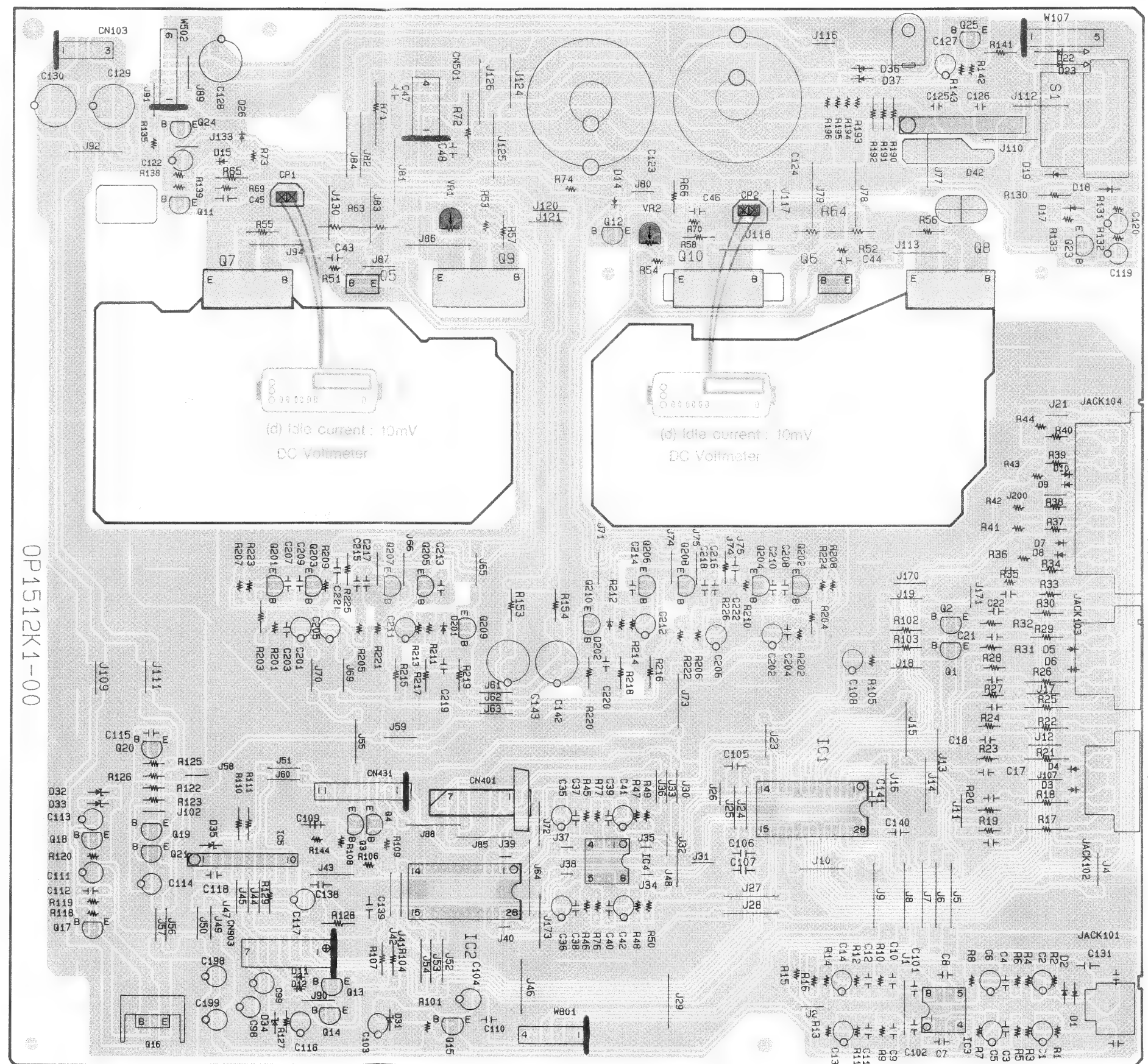


Refer to the schematic diagram for the values of resistors and capacitors.

7



OP1512K1-00



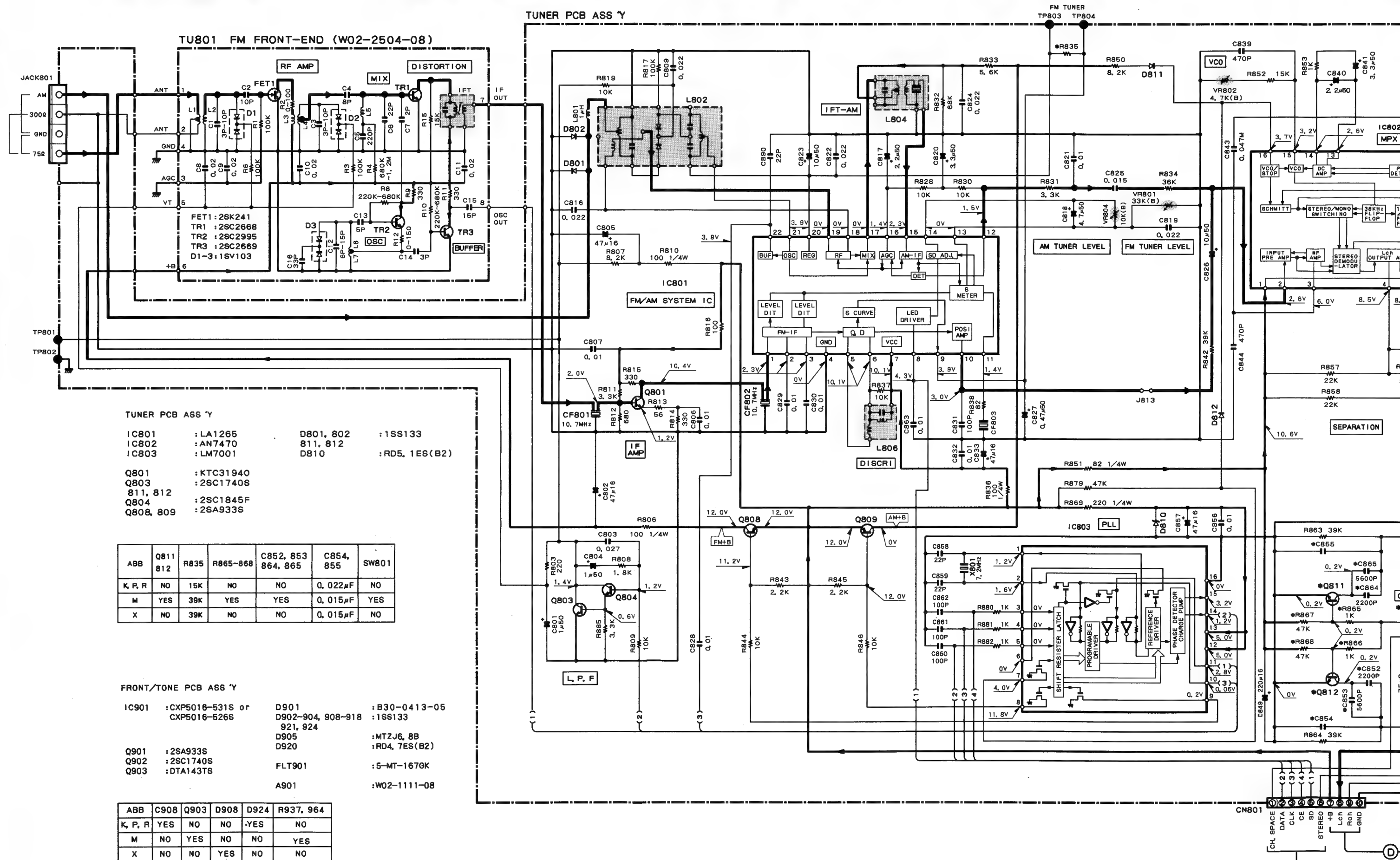
IMPEDANCE SELECTOR

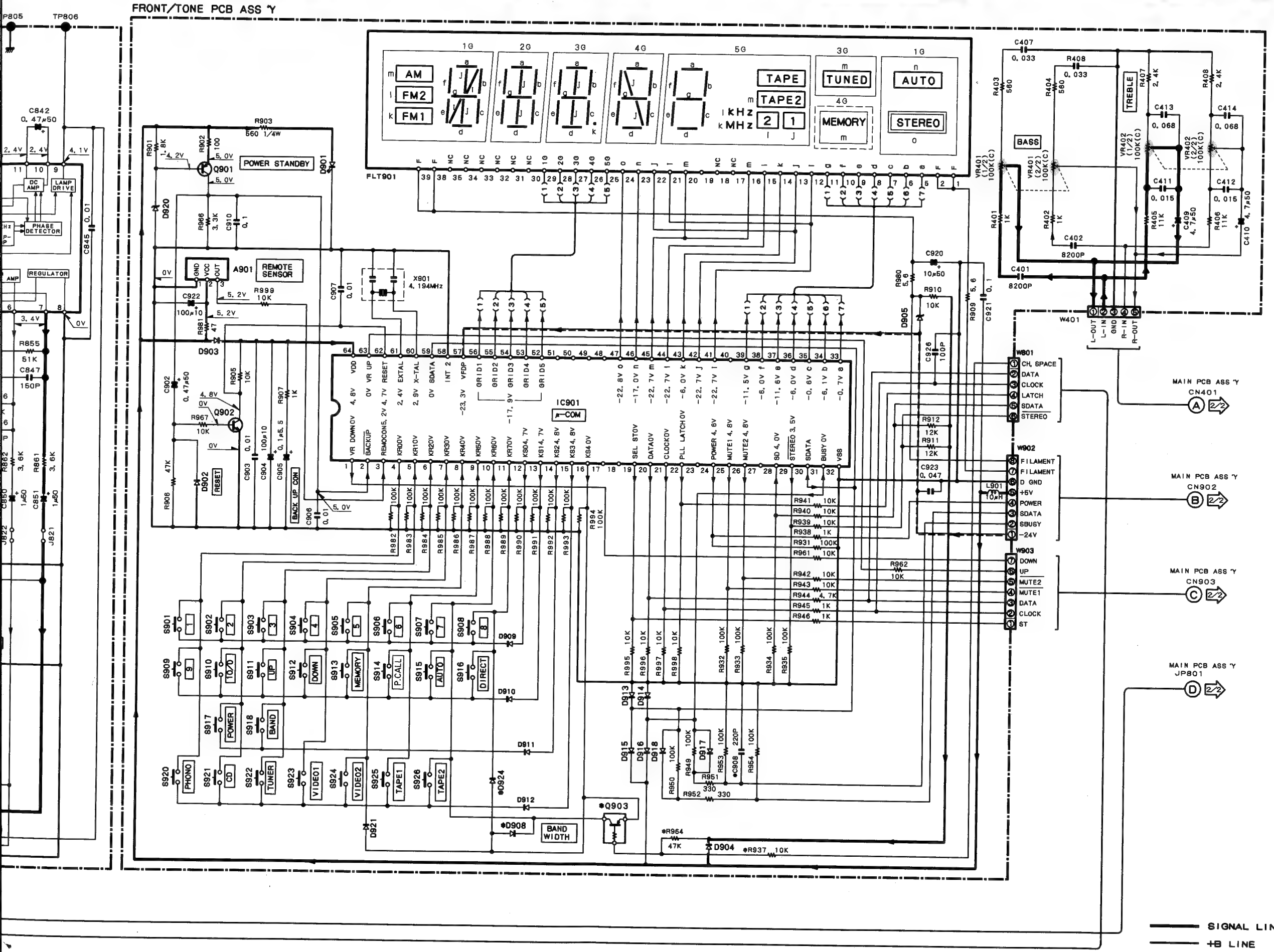
A or B : LESS THAN 8Ω A or B :
A and B : 8Ω  8Ω OR MORE
OR MORE

CD INPUT	TAPE 1 REC PLAY	TAPE 2 (MONITOR) REC PLAY	VIDEO 1 PLAY	VIDEO 2 PLAY IN R

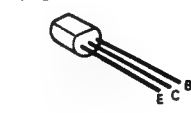
L R PHONO INPUT

EXCEPT

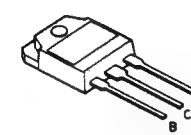




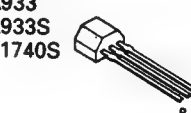
2SA992
2SC1845
2SC2878



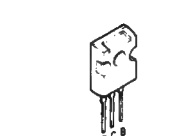
2SA1695



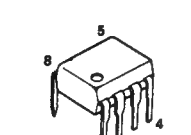
DTA143TS
DTC114ES
2SA933
2SA933S
2SC1740S



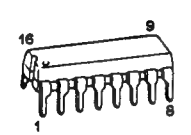
2SC4137



NJM4558DD



LM7001



• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

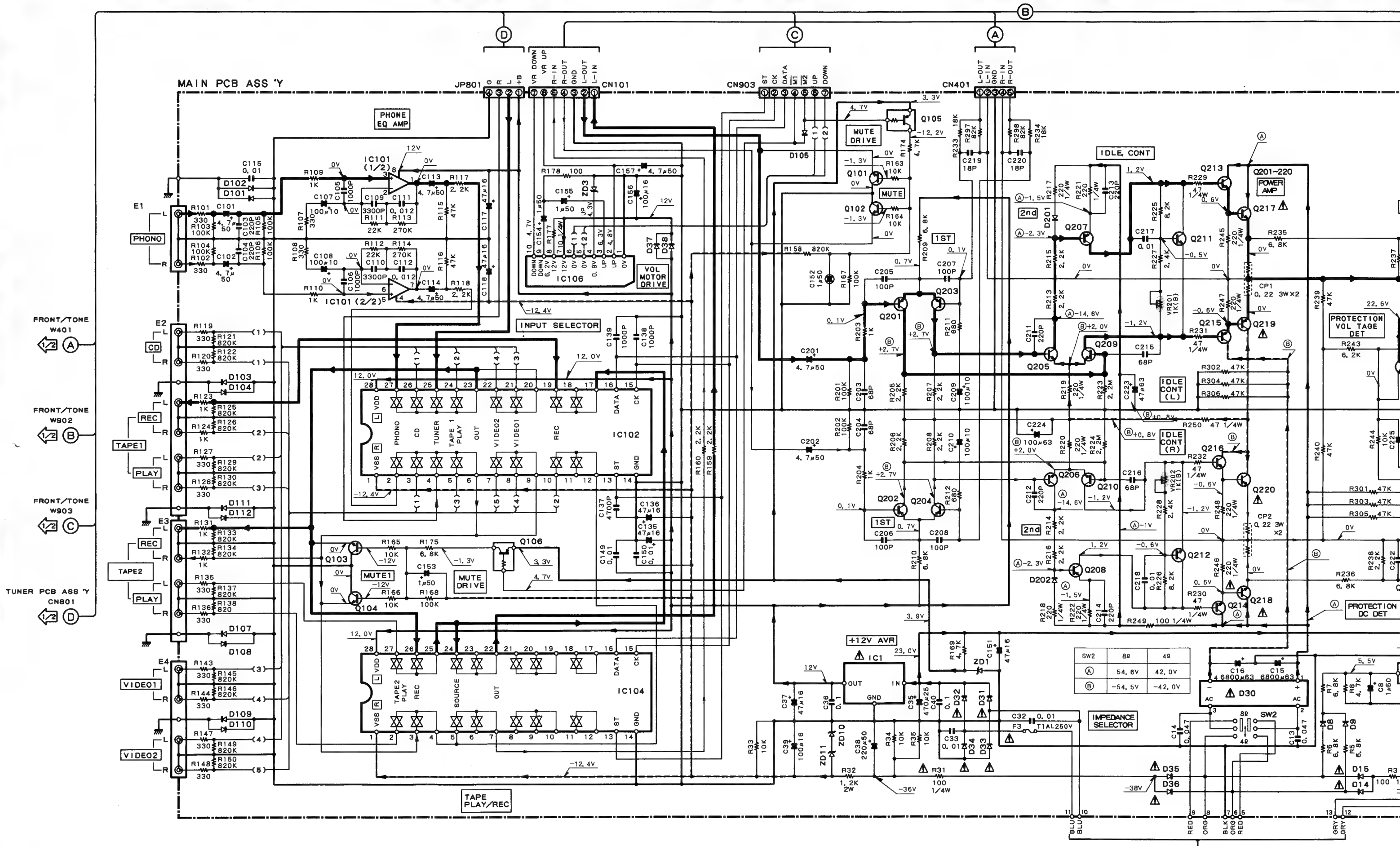
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

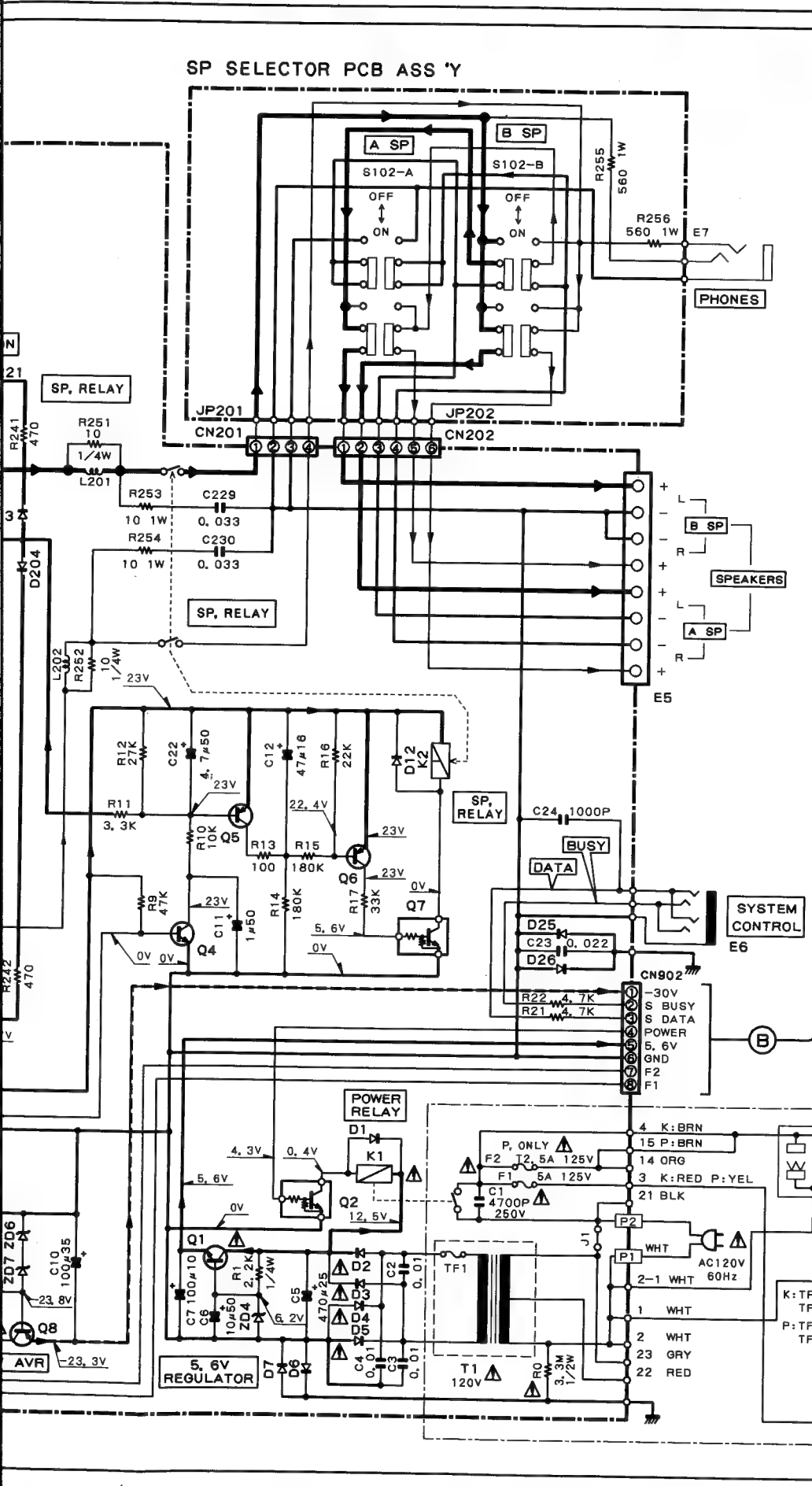
— SIGNAL LINE
— +B LINE
- - - -B LINE
— GND LINE

1/2 (Except E, T)

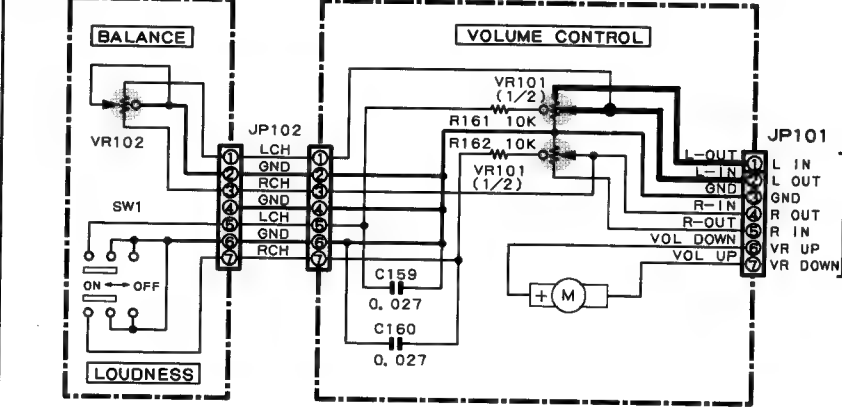
Y05-2880-10

KR-A4060
KENWOOD



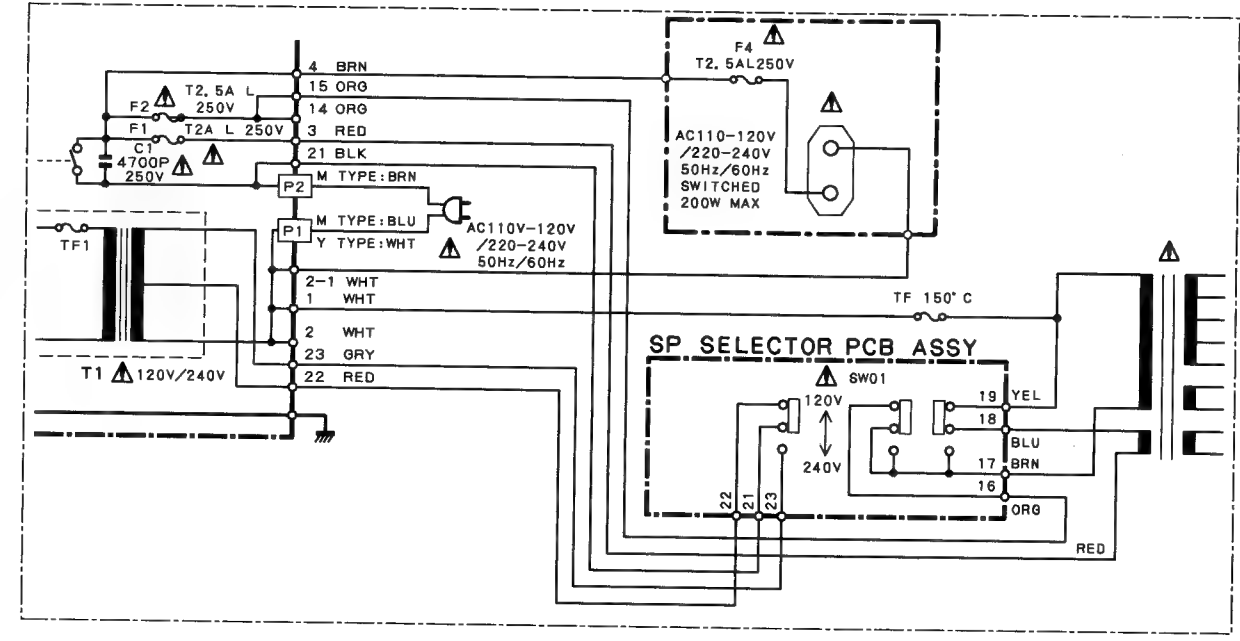


BAL-LOUD PCB ASS 'Y' MOTOR VR PCB ASS 'Y'

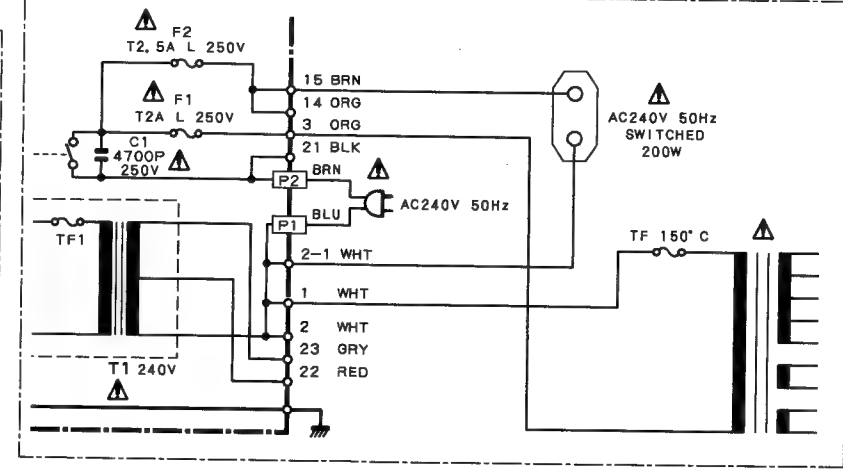


- | | |
|-------|-----------------------|
| IC1 | : KIA78012AP |
| IC101 | : NJM4558DD |
| IC102 | : NJU7313L or TC9164N |
| IC104 | : NJU7311L or TC9162N |
| IC106 | : BA6209N |
-
- | | |
|--------------------|------------|
| Q1, 213, 214 | : 2SC2316 |
| Q2, 3, 7 | : DTC114ES |
| Q4, 223, 224 | : 2SC1740S |
| Q5, 6 | : 2SA933 |
| Q8, 215, 216 | : 2SA916 |
| Q101-104 | : 2SC2878 |
| Q105, 106 | : DTA114TS |
| Q201-204, 207, 208 | : 2SA992 |
| Q205, 206, 209 | : 2SC1845 |
| Q210, 221, 222 | : 2SC4137 |
| Q211, 212 | : 2SA4468 |
| Q217, 218 | : 2SA1695 |
| Q219, 220 | : 2SA1695 |
-
- | | |
|---------------------|--------------|
| D1, 6-9, 12, 25, 26 | : 1SS131 |
| 37, 38, 101-105 | |
| 107-112, 201-205 | |
| D2-5, 14, 15, 31-36 | : 1N4002A |
| O30 | |
| ZD1 | : MTZJ3, 9B |
| ZD3 | : MTZJ5, 1B |
| ZD4, 10, 11 | : MTZJ6, 2B |
| ZD6 | : RD15ES(B2) |
| ZD7 | : MTZ12B |

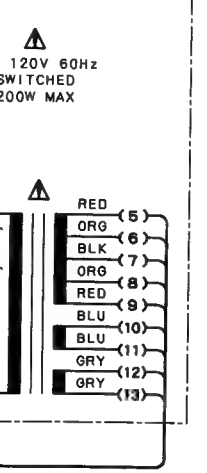
M TYPE



X TYPE

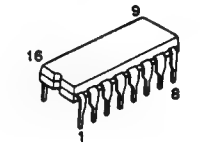


K, P, R TYPE

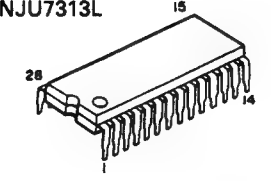


- SIGNAL LINE
- GND LINE
- +B LINE
- -B LINE

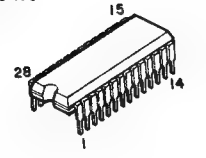
AN7470



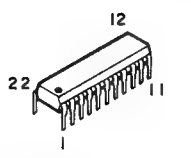
**NJU7311L
NJU7313L**



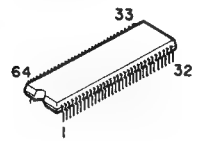
**TC9162N
TC9164N**



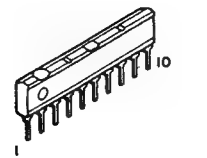
LA1265



**CXP5016-526S
CXP5016-531S**



BA6209N

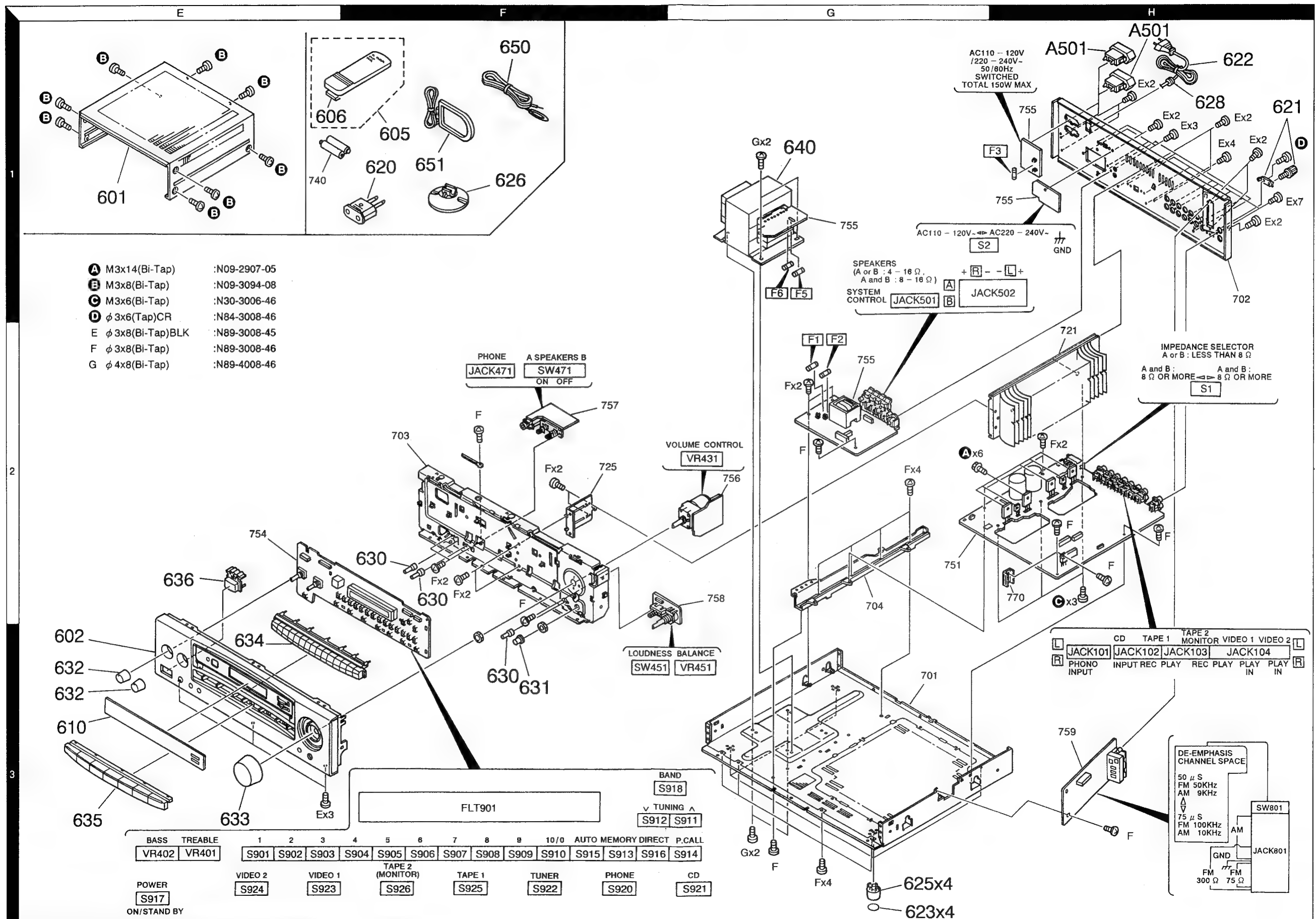


• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KR-A5060 KR-A5060

EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

× New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

1

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
KR-A5060				
601	1E	A01-3060-08	METALLIC CABINET	MX
601	1E	A01-3150-08	METALLIC CABINET	KPR
602	3E	A60-0607-08	FRONT PANEL	
605	1F	A70-0985-08	REMOTE CONTROL ASSY	
606	1E	A09-0170-08	BATTERY COVER	
610	3E	B10-2040-08	FRONT GLASS	
-	-	B46-0092-23	WARRANTY CARD	K
-	-	B46-0094-33	WARRANTY CARD	X
-	-	B46-0121-33	WARRANTY CARD	P
-	-	B60-1577-08	INSTRUCTION MANUAL (ENGLISH)	KXR
-	-	B60-1578-08	INSTRUCTION MANUAL (ENG,FRE)	P
-	-	B60-1579-08	INSTRUCTION MANUAL (ENG,CHI)	M
-	-	B60-1580-08	INSTRUCTION MANUAL (ENGLISH)	ET
-	-	B60-1581-08	INSTRUCTION MANUAL (FR,GU,NU)	E
-	-	B60-1582-08	INSTRUCTION MANUAL (SPA,ITA)	E
-	-	B60-1619-08	INSTRUCTION MANUAL (SPANISH)	MR
620	1F	E03-0115-05	AC PLUG ADAPTER	
621	1H	E21-0023-08	GND TERMINAL	M
622	1H	E30-0459-05	AC POWER CORD	
622	1H	E30-0974-05	AC POWER CORD	M
622	1H	E30-1341-05	AC POWER CORD	KPR
AS01	1H	E03-0055-05	AC OUTLET	X
AS01	1H	E03-0144-08	AC OUTLET	M
623	3G	G13-0267-08	CUSHION	KPR
FOOT				
ITEM CATONBOX				
ITEM CATONBOX				
POLYSTYRENE FOAMED FIXTURE				
PROTECTION BAG (ACCESSORY)				
PROTECTION BAG (MANUAL)				
PROTECTION BAG (UNIT)				
625	3G	T02-1107-08	ANTENNA HOLDER	
626	1F	J19-2815-04	AC CORD BUSHING	
628	1H	J42-0198-08	KN08 LOUDNESS SPEAKERS	KPR
630	2F, 3F	K27-2166-08	KN08 BALANCE	M
631	3F	K29-4444-08	KN08 BASS, TREBLE	X
632	3E	K29-5952-08	KN08 VOLUME	
633	3E	K29-5953-08	KN08 PRESET (10KEY)	
634	3E	K29-5954-08	KN08 FUNCTION	
635	3E	K29-5955-08	KN08 POWER	
636	2E	K29-5956-08	TRANCEFORMER	
640	1G	L07-0971-08	TRANCEFORMER	
640	1G	L07-0972-08	TRANCEFORMER	
640	1G	L07-0973-08	TRANCEFORMER	
A	2G	N09-2907-05	BINDING HEAD TAPITTE SCREW	
B	1E	N09-3094-08	BINDING HEAD TAPITTE SCREW	
C	2H	N30-3006-46	SCREW	
D	1H	N84-3008-46	TAPITTE SCREW	
E	3E, 1H	N89-3008-45	BINDING HEAD TAPITTE SCREW	
F	2F, 2H	N89-3008-46	BINDING HEAD TAPITTE SCREW	

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× New Parts
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Teile ohne Parts No. werden nicht geliefert.

3

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
C215, 216		CC45CHI1H82J	CERAMIC	
C217, 218		CC45CHI1H350J	CERAMIC	
C219, 220		CC45CHI1H221J	CERAMIC	
C401, 402		CC45CHI1H221J	CERAMIC	
C403, 404		CC45CHI1H221J	CERAMIC	
C405, 406		CC45CHI1H221J	CERAMIC	
C407-410		CC45SL1H470J	CERAMIC	
C411-414		CC45SL1H470J	CERAMIC	
C415-418		CC45SL1H470J	CERAMIC	
C419, 420		CC45SL1H470J	CERAMIC	
C421, 422		CC45SL1H470J	CERAMIC	
C423, 424		CC45SL1H470J	CERAMIC	
C432		CC45SL1H470J	CERAMIC	
C451, 452		CC45SL1H470J	CERAMIC	
C507		CC45SL1H470J	CERAMIC	
C508		CC45SL1H470J	CERAMIC	
C509		CC45SL1H470J	CERAMIC	
C510, 511		CC45SL1H470J	CERAMIC	
C512		CC45SL1H470J	CERAMIC	
C513, 514		CC45SL1H470J	CERAMIC	
C515, 516		CC45SL1H470J	CERAMIC	
C518		CC45SL1H470J	CERAMIC	
C520		CC45SL1H470J	CERAMIC	
C801		CC45SL1H470J	CERAMIC	
C802		CC45SL1H470J	CERAMIC	
C803		CC45SL1H470J	CERAMIC	
C804		CC45SL1H470J	CERAMIC	
C805		CC45SL1H470J	CERAMIC	
C806, 807		CC45SL1H470J	CERAMIC	
C809		CC45SL1H470J	CERAMIC	
C816		CC45SL1H470J	CERAMIC	
C817		CC45SL1H470J	CERAMIC	
C818		CC45SL1H470J	CERAMIC	
C819		CC45SL1H470J	CERAMIC	
C820		CC45SL1H470J	CERAMIC	
C821		CC45SL1H470J	CERAMIC	
C822		CC45SL1H470J	CERAMIC	
C823		CC45SL1H470J	CERAMIC	
C824		CC45SL1H470J	CERAMIC	
C825		CC45SL1H470J	CERAMIC	
C826		CC45SL1H470J	CERAMIC	
C827		CC45SL1H470J	CERAMIC	
C828-830		CC45SL1H470J	CERAMIC	
C831		CC45SL1H470J	CERAMIC	
C832		CC45SL1H470J	CERAMIC	
C833		CC45SL1H470J	CERAMIC	
C839		CC45SL1H470J	CERAMIC	
C840		CC45SL1H470J	CERAMIC	
C841		CC45SL1H470J	CERAMIC	
C842		CC45SL1H470J	CERAMIC	
C843		CC45SL1H470J	CERAMIC	
C844		CC45SL1H470J	CERAMIC	
C845		CC45SL1H470J	CERAMIC	
C846, 847		CC45SL1H470J	CERAMIC	

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KR-A5060

PARTS LIST

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2

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
G	1G, 3G	N89-4008-46	BINDING HEAD TAPITTE SCREW	
650	1F	T90-0182-05	T TYPE ANTENNA	
651	1F	T90-0184-08	L00P ANTENNA	
ELECTRIC PARTS				
D901		B30-0413-05	LED (LT4213)(RED)POWER	
C1, 2		CE04KW1H100M	ELECTR0	50WV
C3, 4		CC45CHI1H221J	CERAMIC	100UF
C5, 6		CE04KW1H101M	ELECTR0	10WV
C7, 8		CC45CHI1H102J	CERAMIC	1000PF
C9, 10		C992FMI1H123J	MYLAR	0.012UF
C11, 12		C992FMI1H332J	MYLAR	3300PF
C13, 14		CE04KW1H47M	ELECTR0	4.7UF
C17, 18		CC45CHI1H221J	CERAMIC	50WV
C21, 22		CC45CHI1H221J	CERAMIC	220PF
C31-36		CE04KW1H101M	ELECTR0	1.0UF
C37-40		CC45SL1H101J	CERAMIC	100PF
C41, 42		CE04KW1H47M	ELECTR0	4.7UF
C43-46		CC45SL1H103K	CERAMIC	0.010UF
C47, 48		C992FMI1H393J	MYLAR	0.039UF
C98, 99		CE04KW1H47M	ELECTR0	4.7UF
C101, 102		CC45SL1H103K	CERAMIC	0.010UF
C103		CE04KW1C470M	ELECTR0	47UF
C104		CE04KW1H100M	ELECTR0	10WV
C105		CC45CHI1H102J	CERAMIC	1000PF
C106, 107		CC45SL1H331K	CERAMIC	330PF
C108		CE04KW1H101M	ELECTR0	1.0UF
C110		CC45SL1H103K	CERAMIC	0.010UF
C111		CE04KW1H220M	ELECTR0	22UF
C112		CC45CHI1H152J	CERAMIC	1500PF
C113		CE04KW1C470M	ELECTR0	47UF
C114		CE04KW1H220M	ELECTR0	22UF
C115		CC45CHI1H102J	CERAMIC	1000PF
C116		CE04KW1A101M	ELECTR0	10WV
C117		CE04KW1C470M	ELECTR0	47UF
C118		CC45FF1H104J	CERAMIC	0.10UF
C119, 120		CE04KW2A2R2M	ELECTR0	2.2UF
C121		CE04KW1H100M	ELECTR0	10WV
C122		CE04KW2A100M	ELECTR0	10UF
C123, 124		C90-3565-08	ELECTR0	6800UF
C125, 126		CC45FSL2H103Z	CERAMIC	71WV
C127		CE04KW1J470M	ELECTR0	0.010UF
C128-130		CE04KW1V471M	ELECTR0	47UF
C131		CC45SL1H103K	CERAMIC	63WV
C136-141		CE04SL1H103K	CERAMIC	470UF
C142, 143		CE04KW2A470M	ELECTR0	35WV
C145, 146		CC45FSL2H103Z	CERAMIC	0.010UF
C198, 199		CE04KW1H220M	ELECTR0	22UF
C201, 202		CE04KW1H101M	ELECTR0	10WV
C203, 204		CC45CHI1H101J	CERAMIC	1.0UF
C205, 206		CE04KW1A101M	ELECTR0	100UF
C207-210		CC45CHI1H101J	CERAMIC	10WV
C211, 212		CE04KW2A010M	ELECTR0	100PF
C213, 214		CC45SL1H330J	CERAMIC	1.0UF
				33PF

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× New Parts
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4

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
C849		CE04KW1C221M	ELECTR0	
C850, 851		CE04KW1H010M	ELECTR0	16WV
C852		C992FMI1H222J	MYLAR	1.0UF
C853		C992FMI1H562J	MYLAR	2200PF
C854, 855		C992FMI1H153J	MYLAR	5600PF
C854, 855		C992FMI1H223J	MYLAR	0.015UF
C856		CC45F1H103M	CERAMIC	J
C857		CE04KW1C470M	ELECTR0	0.022UF
C858, 859		CC45CHI1H20J	CERAMIC	47UF
C860-862		CC45CHI1H101J	CERAMIC	22PF
C863		CC45F1H103M	CERAMIC	100PF
C864		C992FMI1H222J	MYLAR	0.010UF
C865		C992FMI1H562J	MYLAR	2200PF
C890		CC45CHI1H20J	CERAMIC	5600PF
C902		CE04KW1HR47M	ELECTR0	22PF
C903		CC45F1H103M	CERAMIC	0.47UF
C904		CE04KW1A101M	ELECTR0	50WV
C905		C90-1827-05	BACKUP	M
C906, 907		CC45F1H103M	CERAMIC	10WV
C908		CC45CHI1H221J	CERAMIC	0.1UF
C909		CE04KW1H47M	ELECTR0	5.5WV
C910		CC45FF1H104Z	CERAMIC	J
C920		CE04KW1H100M	ELECTR0	220PF
C921		CC45F1H104Z	CERAMIC	4.7UF
C922		CE04KW1A101M	ELECTR0	50WV
C923		CC45SL1H473K	CERAMIC	0.010UF
C925		CC45SL1H223K	CERAMIC	100UF
AS01	1D	B03-0144-08	AC OUTLET	
JACK101		E70-0035-08	TERMINAL BOARD PHONO	
JACK102		E70-0036-08	TERMINAL BOARD CD, TAPE1 REC	
JACK103		E70-0036-08	TERMINAL BOARD TAPE1 PLAY, TAPE2	
JACK104		E63-0118-08	TERMINAL BOARD TAPE2, VIDEO1, 2	
JACK471		E11-0263-08	PHONE JACK	
JACK501		E11-0188-05	PHONE JACK	
JACK502		E70-0004-08	TERMINAL BOARD SPEAKERS	
JACK801		E70-0005-08	TERMINAL BOARD ANTENNA	
F1		F04-5022-05	FUSE UL/CSA 5A(125V)	KPR
F2		F05-2525-05	FUSE T2, 5A(250V)	X
F3		F06-2525-05	FUSE UL/CSA 2.5A(125V)	P
F5, 6		F05-5016-05	FUSE 0.5A(250V)	MX
F5, 6		F50-0049-08	FUSE UL/CSA 0.5A(250V)	KPR
F1, 2, 3		F05-2525-05	FUSE T2, 5A(250V)	M
-		J13-0084-08	FUSE HOLDER	
-		J13-0084-08	FUSE HOLDER	
CF801, 802		L72-0531-05	CERAMIC FILTER	10.7MHZ
CF803		L72-0096-05	CERAMIC FILTER	0.5UH
L501, 502		L39-0085-05	COIL	
L801		L40-1091-17	SMALL FIXED INDUCTOR 1UH	
L802		L39-0189-05	COIL	
L804		L30-0488-05	IPT-AM	
L806		L30-0439-05	IPT-FH	
L901		L40-1001-17	SMALL FIXED INDUCTOR 10UH	
TS01		L07-0778-08	TRANS FORMER	KPR

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× New Parts

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Teile ohne Parts No. werden nicht geliefert.

5

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
T501 T501 X801 X901		L07-0789-08 L07-0790-08 L77-1122-05 L78-0209-05	TRANS FORMER CRYSTAL RESONATOR 7.2MHz RESONATOR 4.19MHz	X M	
F	2D	N89-3008-46	BINDING HEAD TAPITE SCREW		
R55-58 R63-64 R65-66 R71-72 R115		RD14GB2E220J R90-0187-05 RD14GB2E332J RN14BK3A100J RD14GB2E010J	FL-PR00F RD 22 J 1/4W MULTI-COMP 0.22X2 K 5W FL-PR00F RD 3.3K J 1/4W RN 10 J 1W FL-PR00F RD 1.0 J 1/4W		
R116,117 R121 R128 R129 R130		RN14BK3D680J RD14GB2E010J RD14GB2E101J RD14GB2E100J RD14GB2E101J	RN 68 J 2W FL-PR00F RD 1.0 J 1/4W FL-PR00F RD 100 J 1/4W FL-PR00F RD 10 J 1/4W FL-PR00F RD 100 J 1/4W		
R141 R153,154 R215,216 R217-220 R471,472		RD14GB2E101J RD14GB2E470J RD14GB2E151J RD14GB2E221J RN14BK3A561J	FL-PR00F RD 100 J 1/4W FL-PR00F RD 47 J 1/4W FL-PR00F RD 150 J 1/4W FL-PR00F RD 220 J 1/4W RN 560 J 1W		
R501-504 R519 R806 R810 R836		RD14GB2E220J RD14B82H335J RD14GB2E101J RD14GB2E101J RD14GB2E101J	FL-PR00F RD 22 J 1/4W RD 3.3M J 1/2W FL-PR00F RD 100 J 1/4W FL-PR00F RD 100 J 1/4W FL-PR00F RD 100 J 1/4W		KPR
R851 R869 VR1-2 VR401,402 VR431		RD14GB2E820J RD14GB2E221J R12-1066-05 R39-0003-08 R39-0001-08	FL-PR00F RD 82 J 1/4W FL-PR00F RD 220 J 1/4W TRIMMING POT. IDLE ADJ. 1K POTENTIOMETER BASS TREBLE 10KB POTENTIOMETER VOLUME 100KB X3		
VR451 VR801 VR802 VR804		R10-5071-08 R12-3166-08 R12-1053-05 R12-3071-05	POTENTIOMETER BALANCE TRIM POT. 33KB FM TUNE LEVEL TRIM POT. 4.7KB VC0 TRIM POT. 10KB AM TUNE LEVEL		
K501 K502 S1 S2 S901-926		S51-2092-05 S76-0032-08 S62-0032-08 S31-3010-05 S70-0030-08	MAGNETIC RELAY POWER MAGNETIC RELAY SPEAKER SLIDE SWITCH IMPEDANCE SEL SLIDE SWITCH VOLTAGE SELECT TACT SWITCH KEY BOARD		M
SW451 SW471 SW801		S68-0040-08 S62-0033-08 S62-0012-08	PUSH SWITCH LOUDNESS PUSH SWITCH SPEAKERS SLIDE SWITCH CH. SPACE		M
D1-12 D14-15 D17-19 D22-23 D26		1SS131 1SS131 1SS131 1N4002 1SS131	DIODE DIODE DIODE DIODE DIODE		
D31 D32 D33 D34 D35		RD13ES(B2) MTZJ6.2B MTZJ8.2B MTZJ3.9B RD5.1ES(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D36-37		MTZ12B(B2)	ZENER DIODE		

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EXCEPT E.T.

× New Parts

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Teile ohne Parts No. werden nicht geliefert.

6

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
D42 D43-46 D201-202 D501-502 D503-508		DSFB20 1N4002 1SS133 1N4002A 1SS133	DIODE DIODE DIODE DIODE DIODE		
D509 D510 D511-514 D515-516 D801-802		1N4002A MTZJ6.2B 1N4002A 1SS133 1SS133	DIODE ZENER DIODE DIODE DIODE DIODE		
D810 D811-812 D902-904 D905 D906		RD5.1ES(B2) 1SS133 1SS133 MTZJ6.8B 1SS133	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE		X
D909-918 D920 D921 D924 FL901		1SS133 RD4.7ES(B2) 1SS133 1SS133 5-WT-1670K	DIODE ZENER DIODE DIODE DIODE FLUORESCENT INDICATOR TUBE		KPR
IC1 IC2 IC3-4 IC5 IC401		TC9144N TC9162N NJM456500 BA6209N NJM456500	IC(16CH BIATRAL SELECTOR SW) IC(ANALOG SWITCH ARRAY) IC(OP AMP X2) IC(MOTOR DRIVER) IC(OP AMP X2)		
IC501 IC801 IC802 IC803 IC810		UPC1237HA LA1265 AN7470 LM7001 UPC78L05	IC(POWER AMP) IC(EM/AM TUNER) IC(EM MPX) IC(PLL FREQUENCY SYNTHESIZER) IC(VOLTAGE REGULATOR / +5V)		
IC901 IC901 Q1-4 Q5-6 Q7-8		CXP5016-526S CXP5016-531S 2SC2878B 2SC4137 2SD2222	IC(4bit MICROPROCESSOR) IC(4bit MICROPROCESSOR) TRANSISTOR TRANSISTOR TRANSISTOR		
Q9-10 Q11-12 Q13-14 Q15 Q16		2SB1470 2SC1845F DTA114TS 2SC2235Y 2SD2058Y	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
Q17-18 Q19-20 Q21 Q23 Q24		2SC1740S 2SA933S 2SC2235Y 2SC1845F 2SA992F	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q25 Q201-204 Q205-208 Q209-210 Q501-502		2SB1274 2SA992F 2SC1845F 2SA992F 2SC2316(Y)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q503 Q801 Q803 Q804 Q808,809		2SD882 2SC31940 2SC1740S 2SC1845F 2SA933S	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		

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PARTS LIST

KR-A5060

PARTS LIST

EXCEPT E, T

7

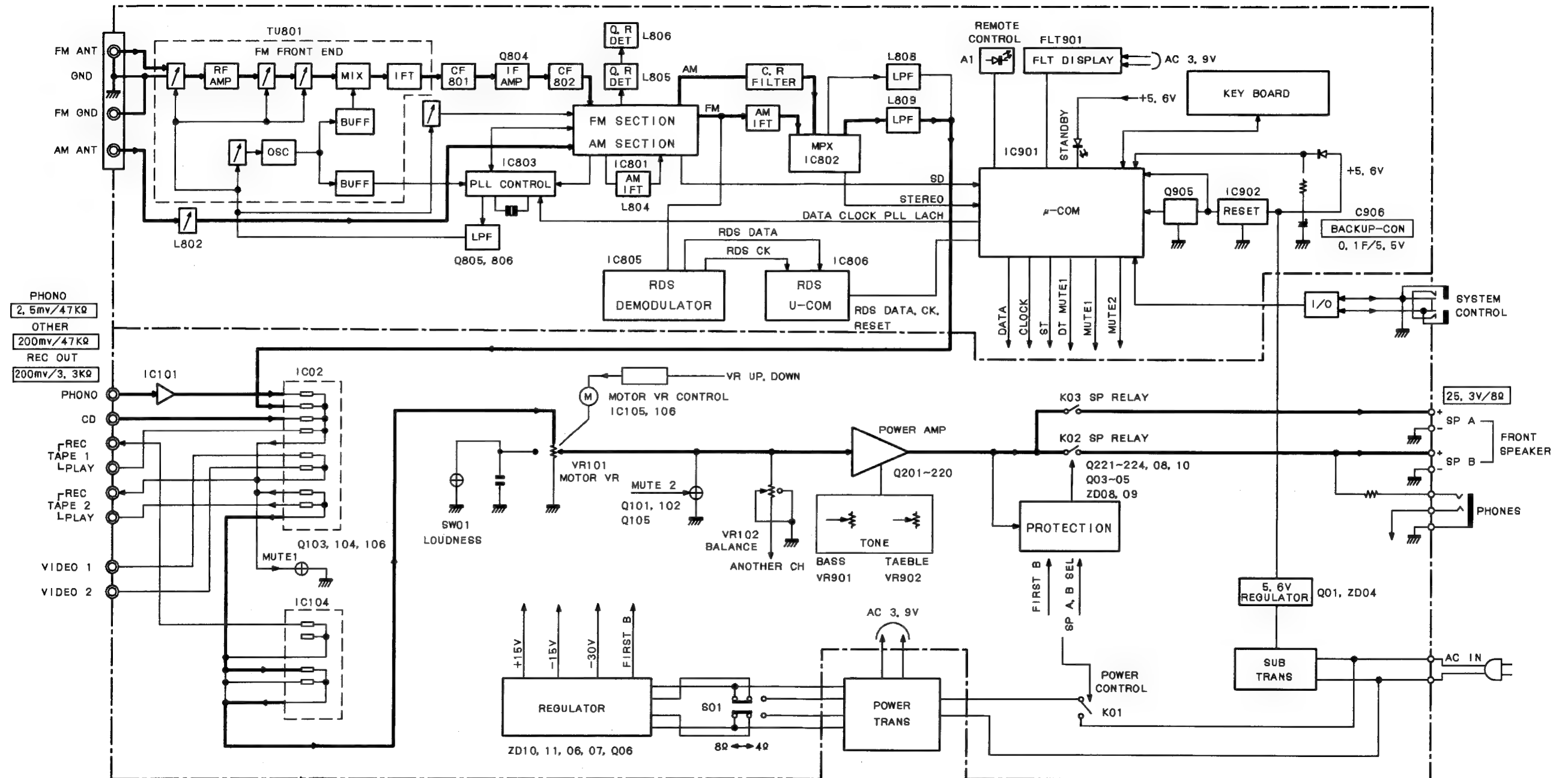
* New Parts
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Q811,812 Q901 Q902 Q903		2SC1740S 2SA933S 2SC1740S DTA143TS	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	M	
A901 T0801		W02-1111-08 W02-1042-05	ELECTRIC CIRCUIT MODULE FM FRONT END UNIT	M KPMXR	

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A indicates safety critical components.

KR-A4060/A5060 KR-A4060/A5060

BLOCK DIAGRAM



KR-A4060/A5060
ADJUSTMENT

AM section : If alignment point is "-", confirm the value. If not, replace the front end pack.

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		SELECTOR : FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev. 60dBμ (ANT. input)	Connect a DC voltmeter between TP801 and TP802. (TUNER UNIT)	AUTO or MONO 98.0MHz	L805 (TUNER UNIT)	0V.	(a)
2	DISCRIMINATOR	(C) 98.0MHz 1kHz, ±40kHz dev. 60dBμ (ANT. input)	Connect a Distortion meter (1kHz)	AUTO or MONO 98.0MHz	L806 (TUNER UNIT)	Minimum distortion. (L or R)	
3	DISCRIMINATOR	(C) 98.0MHz 1kHz, ±40kHz dev. 60dBμ (ANT. input)	Connect a DC voltmeter between TP801 and TP802. (TUNER UNIT)	AUTO or MONO 98.0MHz	L806 (TUNER UNIT)	0V.	(a)
4	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6.0kHz dev. 60dBμ (ANT. input)	(B)	98.0MHz	IFT (Front end pack)	Minimum distortion. (L or R)	
5	SEPARATION	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6.0kHz dev. 60dBμ (ANT. input)	(B)	AUTO 98.0MHz	VR803 (TUNER UNIT)	Minimum cross talk.	
6	TUNING LEVEL	(A) 98.0MHz 0 dev. 17dBμ (ANT. input)	(B)	AUTO or MONO 98.0MHz	VR802 (TUNER UNIT)	Adjust VR802 and stop at the point where FLT901 (TUNED) goes on.	
AM SECTION		SELECTOR : AM					
(1)	TUNING LEVEL	(D) 999MHz 26dBμ (ANT. input)	(B)	—	VR801 (TUNER UNIT)	Adjust VR801 and stop at the point where FLT901 (TUNED) goes on.	
AUDIO SECTION							
<1>	IDLE CURRENT	—	Connect a DC voltmeter across CP1 (L), CP2 (R) (MAIN UNIT)	Volume : 0	VR201 (L) VR202 (R) (AUDIO UNIT)	10mV	

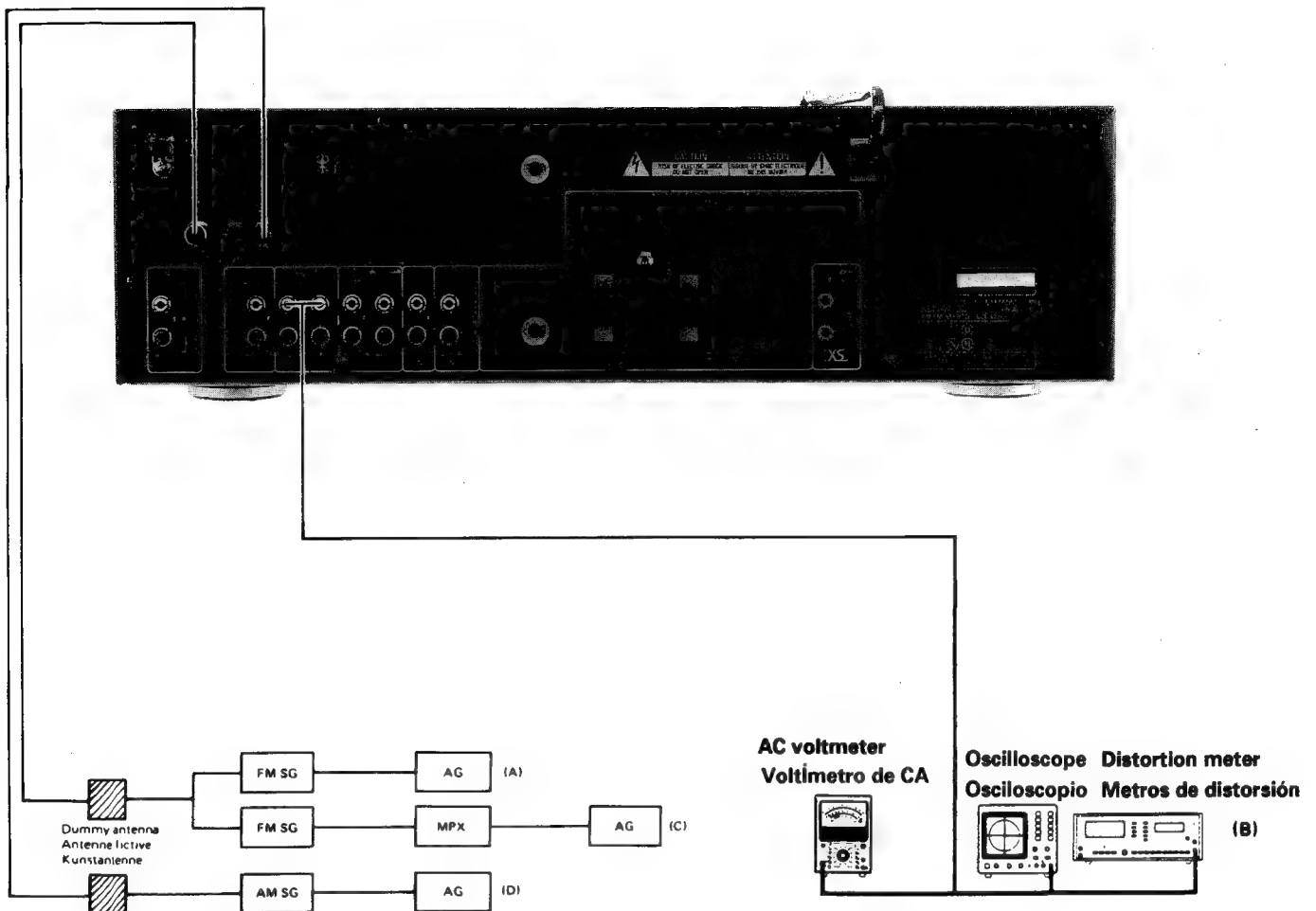
KR-A4060/A5060
AJUSTES

Sección de AM : Si el punto de alineación es "-", confirme el valor. Si no, reemplace el paquete de entrada.

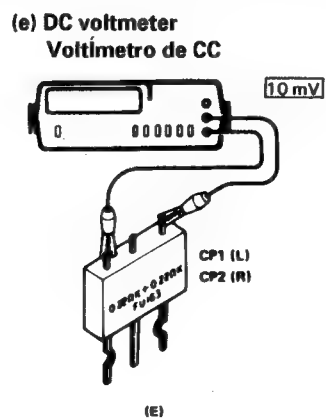
Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG.
SECCIÓN DE FM		SELECTOR : FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev. 60dBμ (Entrada de antena)	Conecte un voltímetro de CC entre TP801 y TP802. (UNIDAD DEL SINTONIZADOR)	AUTO o MONO 98.0MHz	L805 (UNIDAD DEL SINTONIZADOR)	0V.	(a)
2	DISCRIMINATOR	(C) 98.0MHz 1kHz, ±40kHz dev. 60dBμ (Entrada de antena)	Conecte un medidor de Distorsión. (1kHz)	AUTO o MONO 98.0MHz	L806 (UNIDAD DEL SINTONIZADOR)	Distorsión mínima. (L o R)	
3	DISCRIMINATOR	(C) 98.0MHz 1kHz, ±40kHz dev. 60dBμ (Entrada de antena)	Conecte un voltímetro de CC entre TP801 y TP802. (UNIDAD DEL SINTONIZADOR)	AUTO o MONO 98.0MHz	L806 (UNIDAD DEL SINTONIZADOR)	0V.	(a)
4	DISTORSIÓN (ESTÉREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L o R Piloto : ±6.0kHz dev. 60dBμ (Entrada de antena)	(B)	98.0MHz	IFT (Paquete de entrada)	Distorsión mínima. (L o R)	
5	SEPARACIÓN	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L o R Piloto : ±6.0kHz dev. 60dBμ (Entrada de antena)	(B)	AUTO 98.0MHz	VR803 (UNIDAD DEL SINTONIZADOR)	Diafonía mínima.	(b)
6	NIVEL DE SINTONÍA	(A) 98.0MHz 0 dev. 17dBμ (Entrada de antena)	(B)	AUTO o MONO 98.0MHz	VR802 (UNIDAD DEL SINTONIZADOR)	Ajuste VR802 y pare en el punto en el que se encienda FLT 901 (SINTONIZADO).	
SECCIÓN DE AM		SELECTOR : AM					
(1)	NIVEL DE SINTONÍA	(D) 999MHz 26dBμ (Entrada de antena)	(B)	—	VR801 (UNIDAD DEL SINTONIZADOR)	Ajuste VR801 y pare en el punto en el que se encienda FLT 901 (SINTONIZADO).	
SECCIÓN DE AUDIO							
<1>	CORRIENTE EN REPOSO	—	Conecte un voltímetro de CC entre CP1 (L) y CP2 (R) (UNIDAD PRINCIPAL)	Volumen : 0	VR201 (L) VR202 (R) (UNIDAD AUDIO)	10mV	

ADJUSTMENT/AJUSTES

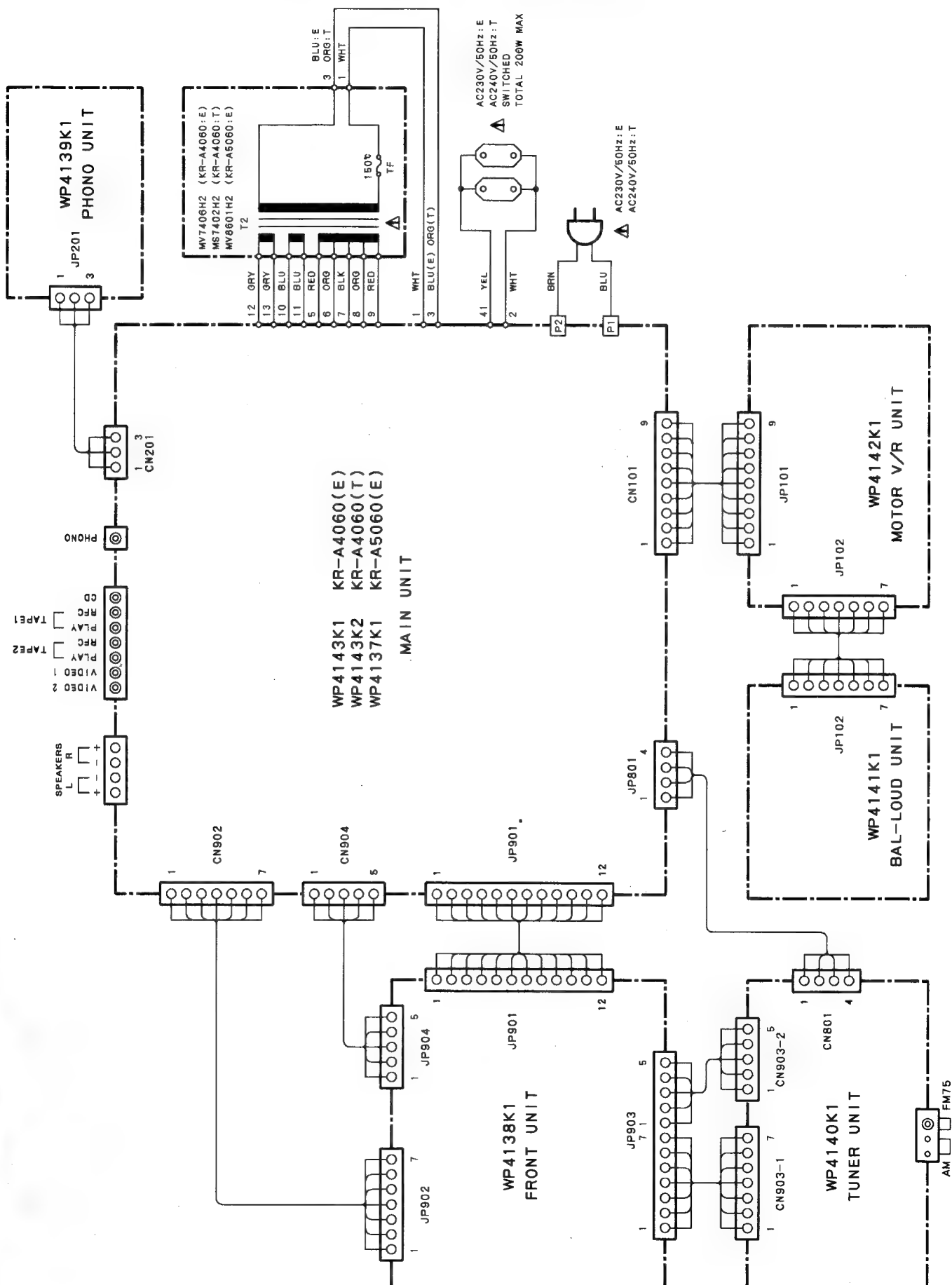
SYSTEM CONNECTIONS/CONEXIONES DEL SISTEMA



System connections/Raccordements du système/System-Anschlüsse



WIRING DIAGRAM

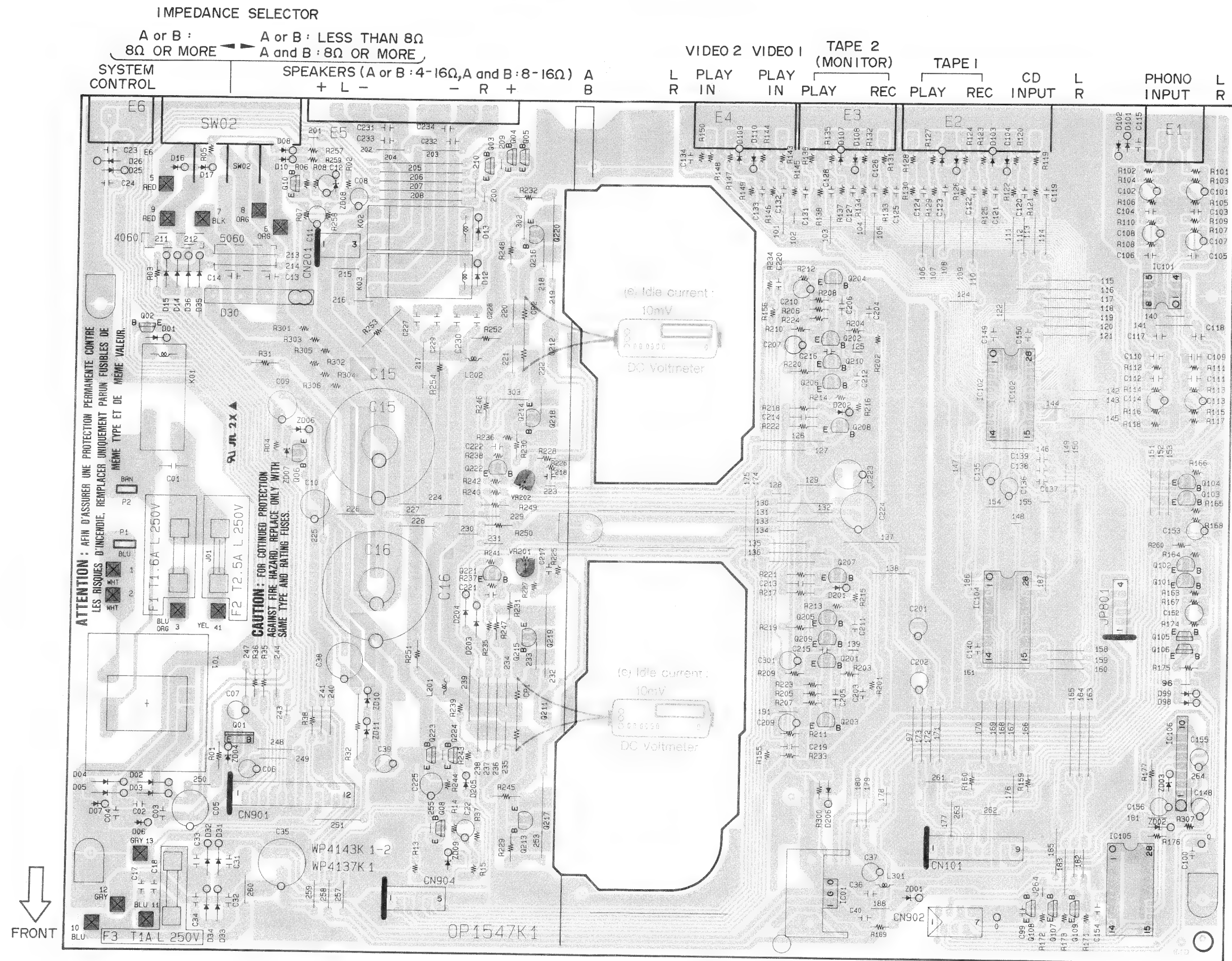


A B C D E F G H I J

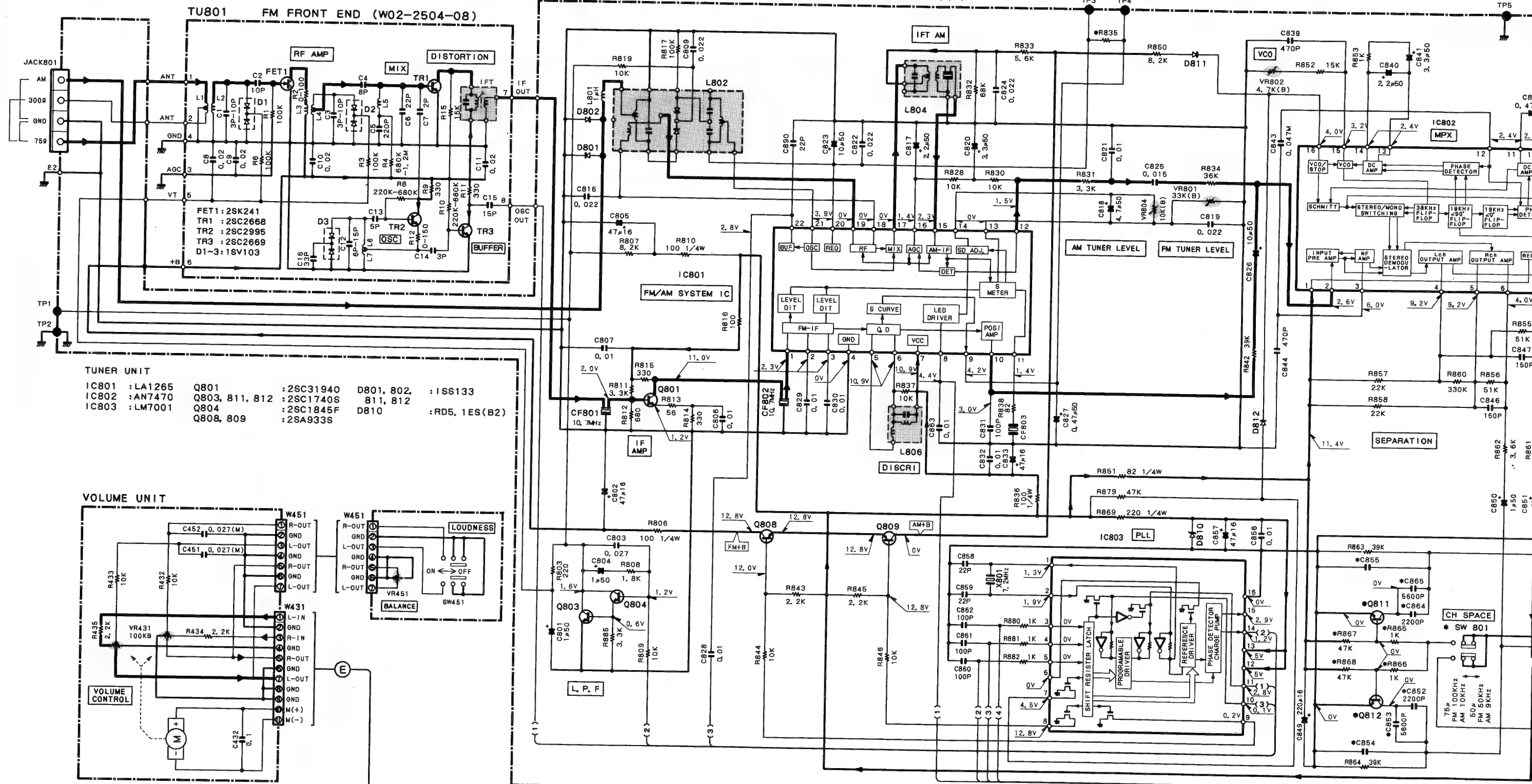


FRONT

PC BOARD (COMPONENT SIDE VIEW) : KR-A4060/A5060



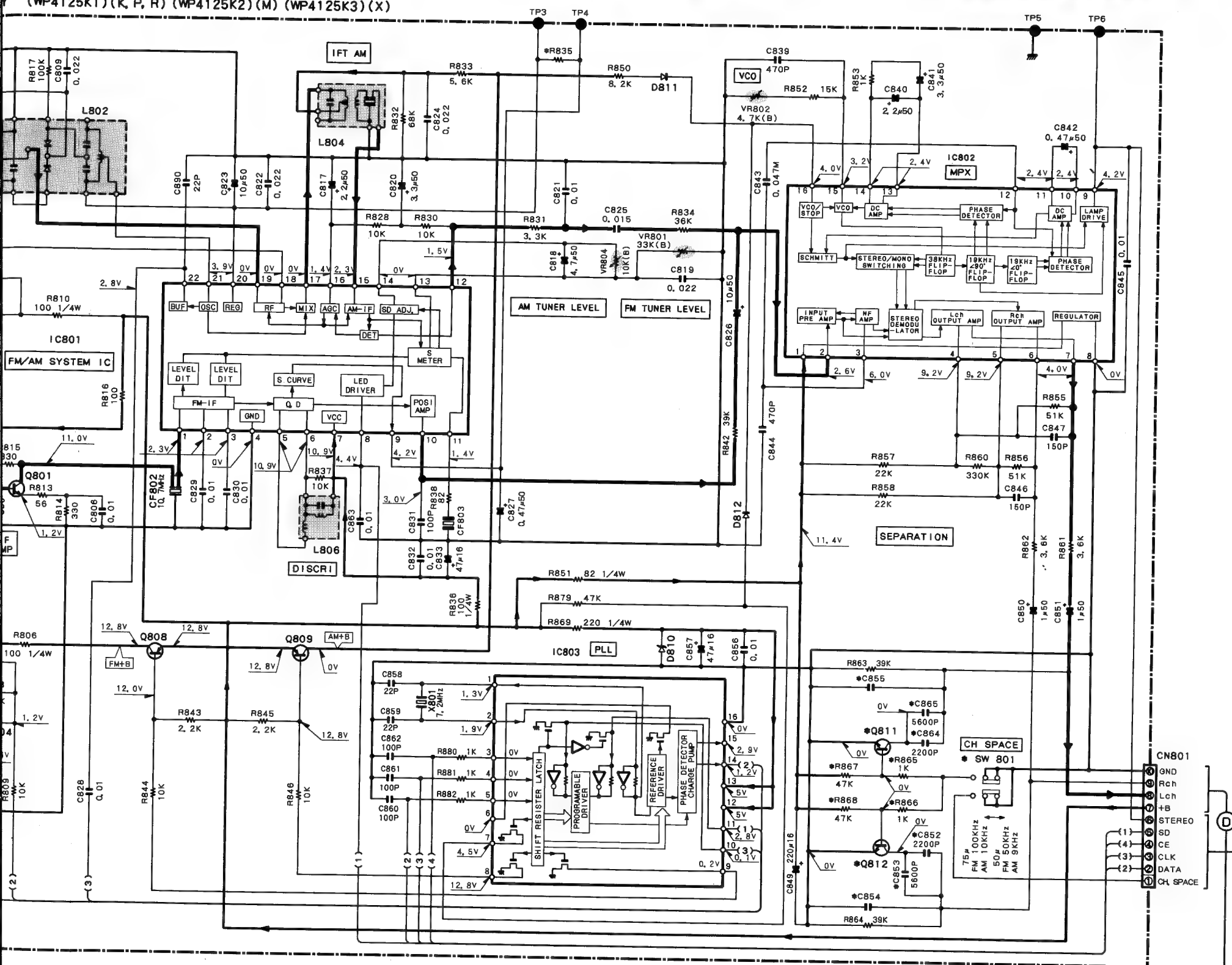
TUNER PCB ASS Y (WP4125K1)(K.P.R) (WP4125K2)(M) (WP4125K3)(X)



DESTINATION		Q811	Q812	R835	R865	R866	R867	R868	SW801	C852	C853	C864	C865	C854	C855
COUNTRY	ABB.														
U. S. A.	K	NO	NO	15K	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.022µF	0.022µF
CANADA	P	NO	NO	15K	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.022µF	0.022µF
GENERAL MARKET	M	YES	YES	39K	YES	YES	YES	YES	YES	YES	YES	YES	YES	0.015µF	0.015µF
AUSTRALIA	X	NO	NO	39K	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.015µF	0.015µF

FRONT/TONE PCB ASS Y		Q903	D908	D924	R901
COUNTRY	ABB.				
U. S. A.	K	NO	NO	YES	NO
CANADA	P	NO	NO	YES	NO
GENERAL MARKET	M	YES	NO	NO	YES
AUSTRALIA	X	NO	YES	NO	NO

(WP4125K1)(K, P, R) (WP4125K2)(M) (WP4125K3)(X)

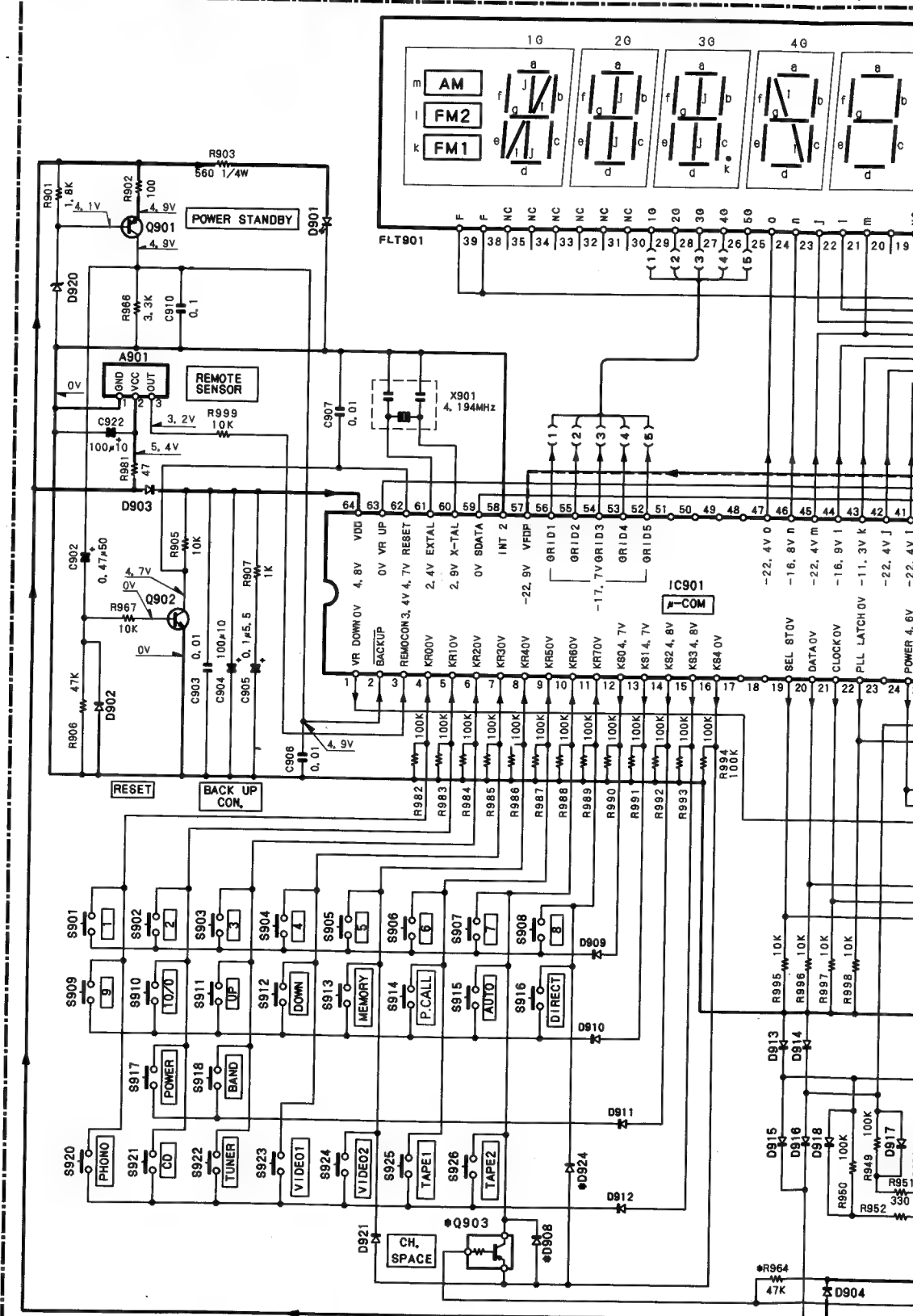


Q812	R835	R865	R866	R867	R868	SW801	C852	C853	C864	C865	C854	C855
NO	15K	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.022µF	0.022µF
YES	39K	YES	YES	YES	YES	YES	YES	YES	YES	YES	0.015µF	0.015µF
NO	39K	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.015µF	0.015µF

FRONT/TONE PCB ASS Y

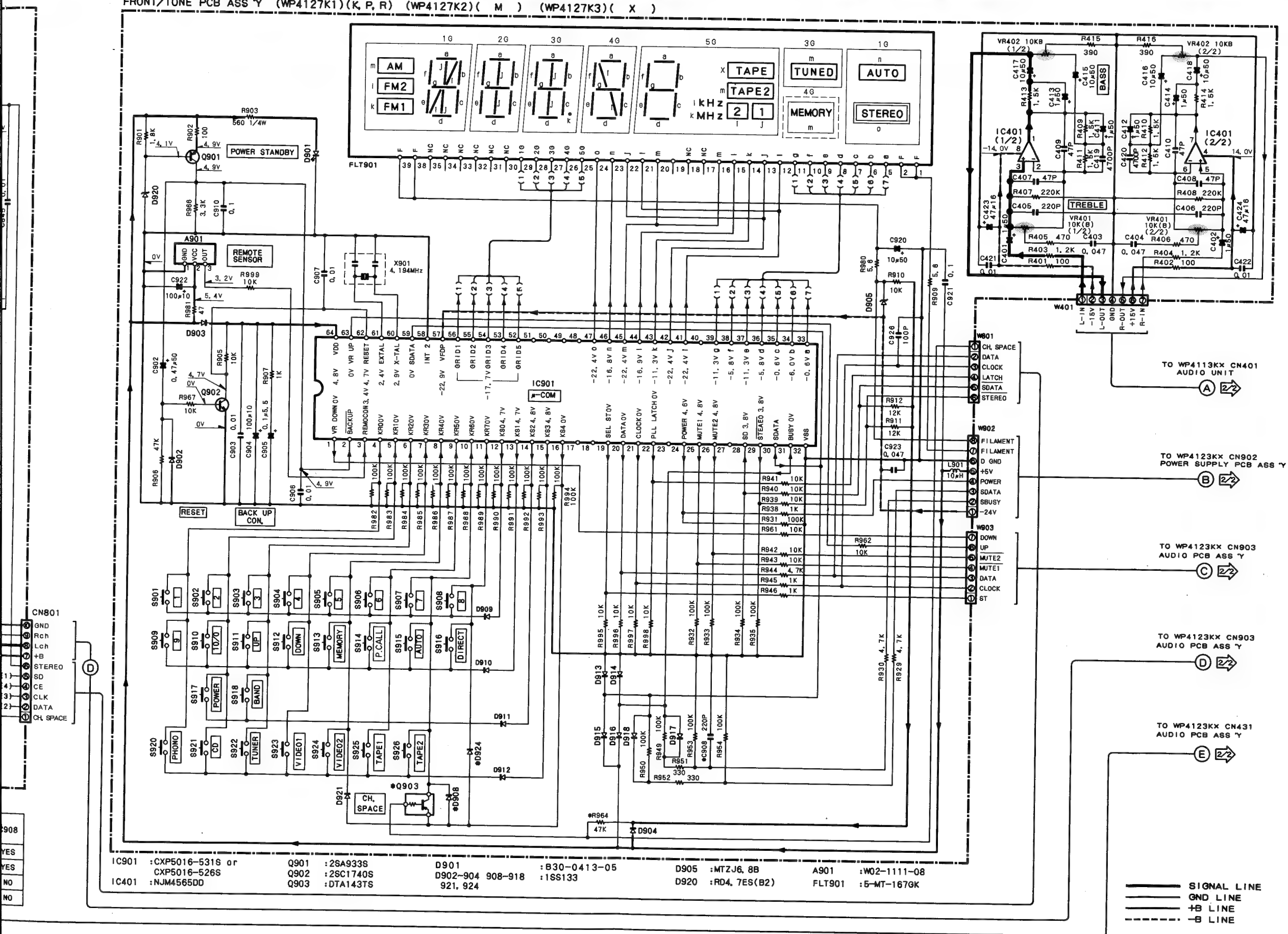
DESTINATION		Q903	D908	D924	R964	C908
COUNTRY	ABB.					
U. S. A.	K	NO	NO	YES	NO	YES
CANADA	P	NO	NO	YES	NO	YES
GENERAL MARKET	M	YES	NO	NO	YES	NO
AUSTRALIA	X	NO	YES	NO	NO	NO

FRONT/TONE PCB ASS Y (WP4127K1)(K, P, R) (WP4127K2)(M) (WP4127K3)(X)



IC901 : CXP5016-531S or CXP5016-526S	Q901 : 2SA933S Q902 : 2SC1740S Q903 : DTA143TS	D901 : 830-0413-05 D902-904 908-918 : 1SS133 921, 924	D905 : 1SS133
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FRONT/TONE PCB ASS Y (WP4127K1)(K, P, R) (WP4127K2)(M) (WP4127K3)(X)



2SC2235Y
2SC2878B

2SD882

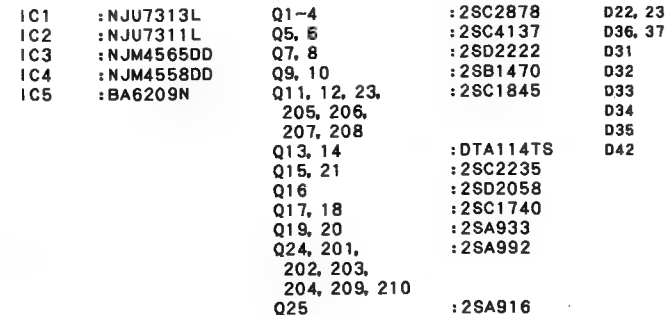
DTA143TS
2SA933S
2SC1740S

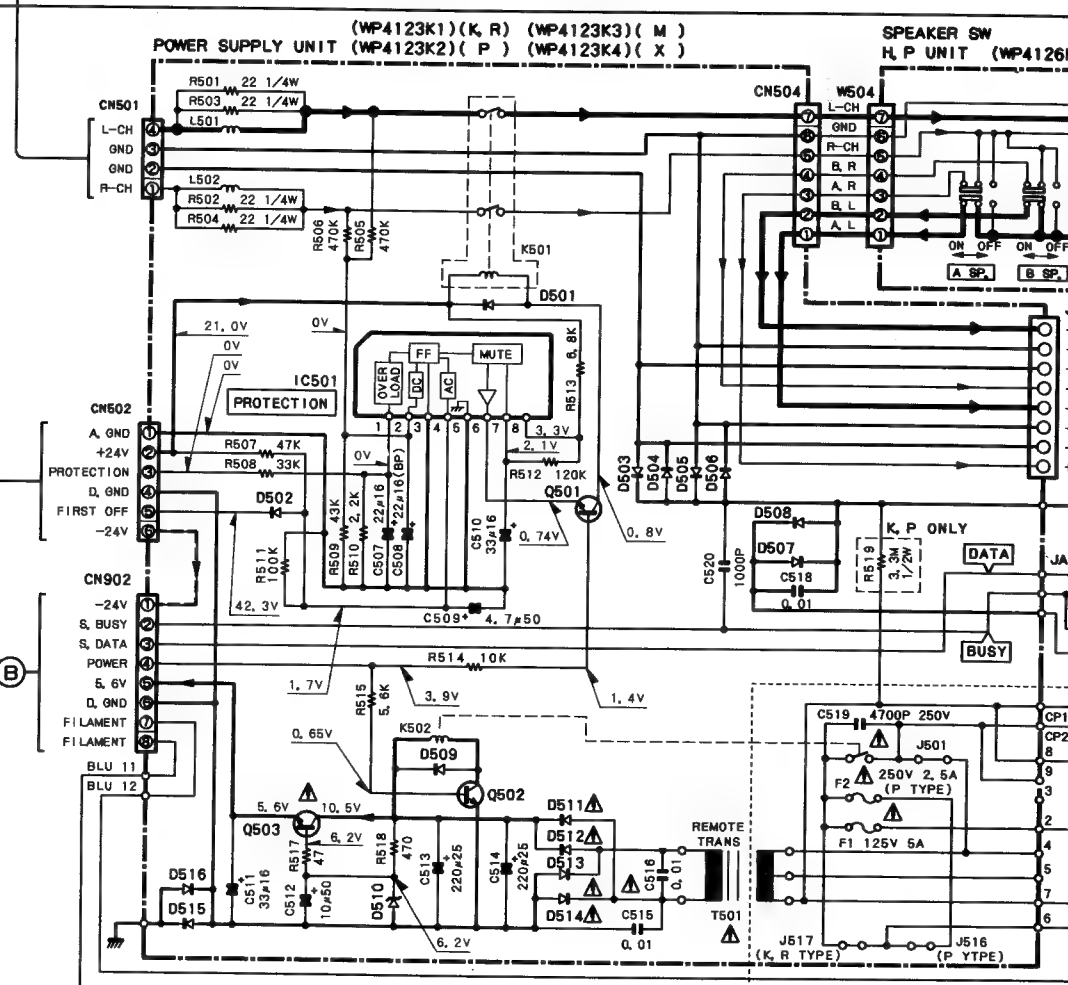
2SC4137

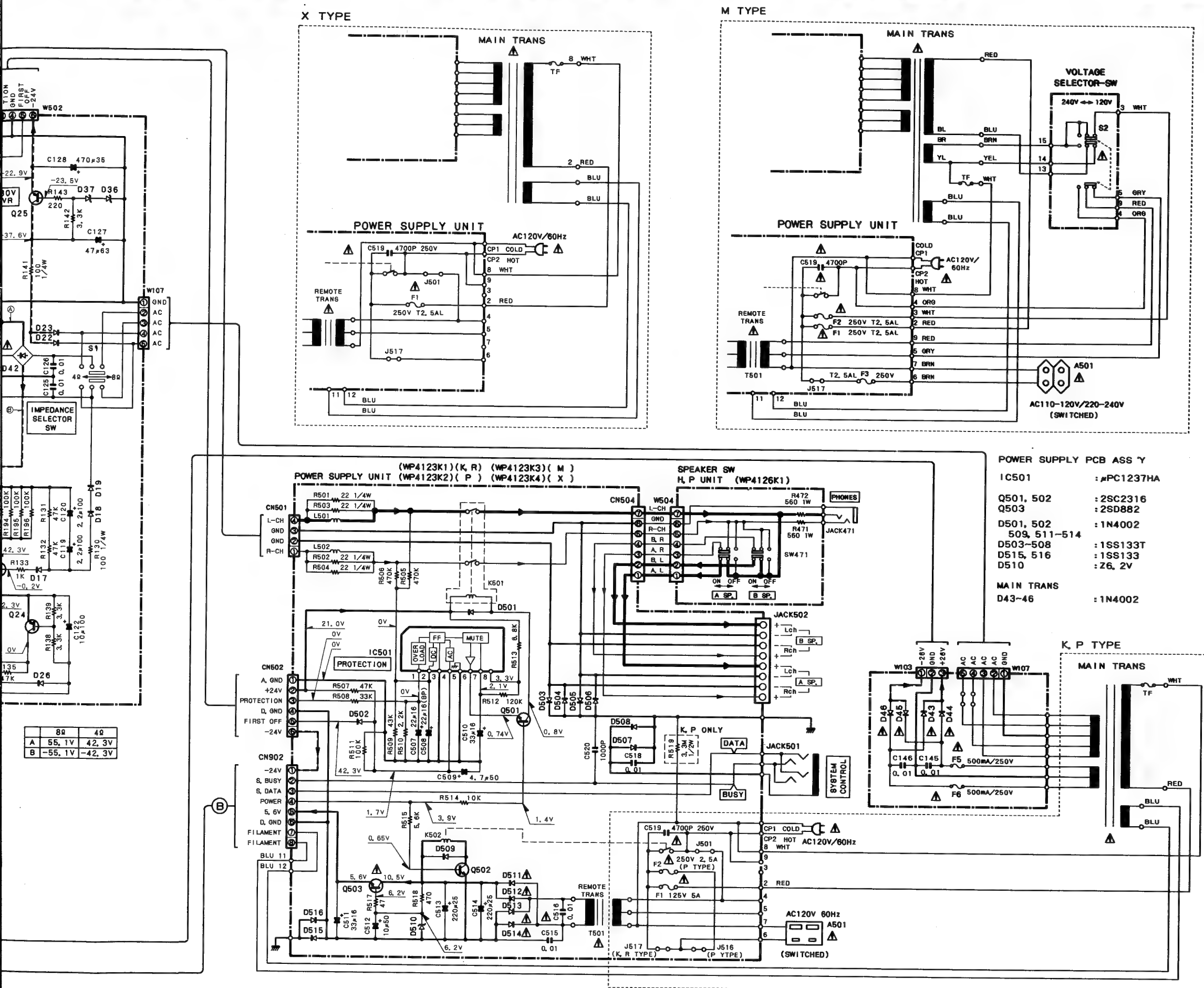
2SB1470
2SD2222

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

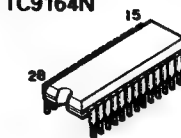
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to part list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage current or resistance measurements shall be carried out (exposed parts are acceptable insulated from the supply circuit) before the appliance is returned to the customer.



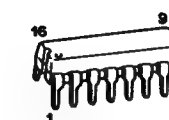




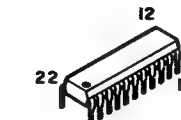
2SB1274

TC9162N
TC9164N

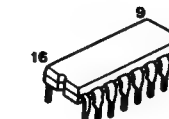
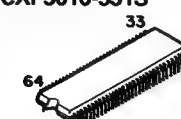
LM7001



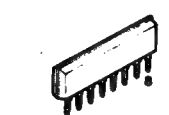
LA1265



AN7470

CXP5016-526S
CXP5016-531S

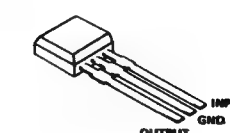
UPC1237HA



BA6209N



UPC78L05

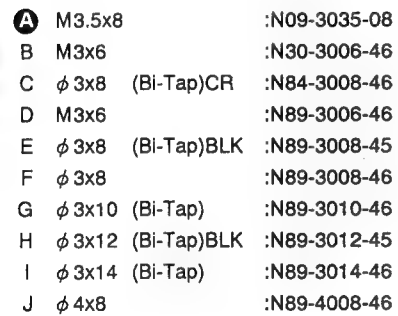


• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KR-A4060/A5060

EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

× New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
KR-A4060				
601	1I	* A01-3167-08	METALIC CABINET	
602	2I	* A60-0633-08	FRONT PANEL	E
605	1J	* A70-0985-08	REMOTE CONTROL ASSY	E
606	1I	* A09-0170-08	BATTERY COVER	T
610	3I	* B10-2040-08	FRONT GLASS	
620	1L	* E21-0031-08	GND TERMINAL	E
-	-	* B46-0122-23	WARRANTY CARD	E
-	-	* B46-0143-13	INSTRUCTION MANUAL (EN)	E
-	-	* B60-0580-08	INSTRUCTION MANUAL (SP/IT)	E
621	-	* B60-0582-08	INSTRUCTION MANUAL (F/G/D)	E
622	1L	E21-0023-08	GND TERMINAL ASSY	E
622	1L	E30-0459-05	AC POWER CORD	T
622	1L	E30-2718-05	AC POWER CORD	T
Δ A501	1L	E03-0055-05	AC OUTLET	T
Δ A501	1L	E03-0133-08	AC OUTLET	T
623	3K	* G13-0267-08	CUSHION	
625	3K	* J02-1099-08	FOOT	
626	1J	* J19-2815-04	FOOT	
627	1K	* J19-3631-08	LOOP ANTENNA HOLDER	
628	1L	* J42-0198-08	PCB HOLDER	
629	2I	* K29-5998-08	AC CORD BUSHING	
630	2J	* K29-5998-08	KNOB SPEAKERS	
631	3J	* K27-2166-08	KNOB LOUDNESS	
632	3I	* K29-4444-08	KNOB BALANCE	
633	3I	* K29-5952-08	KNOB BASS, TREBLE	
634	3I	* K29-5953-08	KNOB VOLUME ASSY	
635	2I	* K29-5954-08	KNOB PRESET	
636	3I	* K29-5955-08	KNOB FUNCTION	
637	3I	* K29-5956-08	KNOB POWER	
638	3I	* K29-5996-08	KNOB TAPE2	
640	1J	* L07-1801-08	KNOB INPUT SELECTOR	
Δ 640	1J	* L07-1802-08	POWER TRANSFORMER	
A	1L	N09-3035-08	TAPTITE SCREW	E
B	2J	N30-3006-46	PAN HEAD MACHIN SCREW	T
C	1L	N84-3008-46	BINDING HEAD TAPTITE SCREW	
D	2J	N89-3006-46	BINDING HEAD TAPTITE SCREW	
E	1L, 3I	N89-3008-45	BINDING HEAD TAPTITE SCREW	
F	2K	N89-3008-46	BINDING HEAD TAPTITE SCREW	
G	2K	N89-3010-45	BINDING HEAD TAPTITE SCREW	
H	1K	N89-3012-45	BINDING HEAD TAPTITE SCREW	
I	1K	N89-3014-46	BINDING HEAD TAPTITE SCREW	

× New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
651	1J	T90-0184-08	LOOP ANTENNA	
652	1J	T90-0185-05	ANTENNA ADAPTER	
ELECTRIC PARTS				
LD901		B30-0413-05	LED(LTL4213(RED))	
C1		C91-0647-05	CERAMIC	AC250V
C2	-4	CK45FF1H103Z	CERAMIC	0.010UF
C5		CE04KW1E471M	ELECTR0	470UF
C6		CE04KW1H101M	ELECTR0	100UF
C7		CE04KW1H101M	ELECTR0	100UF
C8		CE04KW1H101M	ELECTR0	100UF
C9		CE04KW1H101M	ELECTR0	100UF
C10		CE04KW1H101M	ELECTR0	100UF
C11		CE04KW1H101M	ELECTR0	100UF
C12		CE04KW1H101M	ELECTR0	100UF
C13	14	CK45FF1H223Z	CERAMIC	0.047UF
C15	16	C90-0369-05	ELECTR0	6800PF
C16	16	C90-3561-05	ELECTR0	4700UF
C17	16	CK45FF1H103Z	CERAMIC	0.010UF
C22		CE04KW1H47M	ELECTR0	4.7UF
C23		CK45FF1H223Z	CERAMIC	0.022UF
C24		CK45FF1H221J	CERAMIC	220PF
C31	-34	CK45FF1H103Z	CERAMIC	0.010UF
C35		CE04KW1V102M	ELECTR0	1000UF
C36		CK45FF1H104Z	CERAMIC	0.10UF
C37		CE04KW1C470M	ELECTR0	47UF
C38		CE04KW1H221M	ELECTR0	220UF
C39		CE04KW1V101M	ELECTR0	100UF
C40		CK45FF1H104Z	CERAMIC	0.10UF
C99		CK45FF1H272K	CERAMIC	2700PF
C100		CC45CH1H102J	CERAMIC	1000PF
C101	102	CE04KW1H47M	ELECTR0	4.7UF
C103	-106	CC45CH1H102J	CERAMIC	1000PF
C107	108	CE04KW1A101M	ELECTR0	100UF
C109	110	C992FM1H32J	MYLAR	3300PF
C111	112	C992FM1H123J	MYLAR	0.012UF
C113	114	CE04KW1H47M	ELECTR0	4.7UF
C115		CK45FF1H103Z	CERAMIC	0.010UF
C117	118	CK45FF1H104Z	CERAMIC	0.10UF
C119	-128	CC45CH1H221J	CERAMIC	220PF
C131	-134	CC45CH1H221J	CERAMIC	220PF
C135	136	CE04KW1C470M	ELECTR0	47UF
C137		CC45CH1H221J	CERAMIC	220PF
C138	139	CC45SL1H101J	CERAMIC	100PF
C140		CC45CH1H102J	CERAMIC	1000PF
C148		CE04KW1H010M	ELECTR0	1.0UF
C149	150	CK45FF1H103Z	CERAMIC	0.010UF
C152		CE04BP1H010M	NP-ELEC	1.0UF
C153		CE04KW1H010M	ELECTR0	1.0UF
C154		CC45CH1H102J	CERAMIC	1000PF
C155		CE04KW1H010M	ELECTR0	1.0UF
C156		CE04KW1C101M	ELECTR0	100UF
C159	160	C992FM1H273J	MYLAR	0.027UF
C201	202	CE04KW1H47M	ELECTR0	4.7UF
C203	204	CC45SL1H680J	CERAMIC	68PF

× New Parts
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652	1J	T90-0185-05	ANTENNA ADAPTER	
ELECTRIC PARTS				
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C1		C91-0647-05	CERAMIC	AC250V
C2	-4	CK45FF1H103Z	CERAMIC	0.010UF
C5		CE04KW1E471M	ELECTR0	470UF
C6		CE04KW1H101M	ELECTR0	100UF
C7		CE04KW1H101M	ELECTR0	100UF
C8		CE04KW1H101M	ELECTR0	100UF
C9		CE04KW1H101M	ELECTR0	100UF
C10		CE04KW1H101M	ELECTR0	100UF
C11		CE04KW1H101M	ELECTR0	100UF
C12		CE04KW1H101M	ELECTR0	100UF
C13	14	CK45FF1H223Z	CERAMIC	0.047UF
C15	16	C90-0369-05	ELECTR0	6800PF
C16	16	C90-3561-05	ELECTR0	4700UF
C17	16	CK45FF1H103Z	CERAMIC	0.010UF
C22		CE04KW1H47M	ELECTR0	4.7UF
C23		CK45FF1H223Z	CERAMIC	0.022UF
C24		CK45FF1H221J	CERAMIC	220PF
C31	-34	CK45FF1H103Z	CERAMIC	0.010UF
C35		CE04KW1V102M	ELECTR0	1000UF
C36		CK45FF1H104Z	CERAMIC	0.10UF
C37		CE04KW1C470M	ELECTR0	47UF
C38		CE04KW1H221M	ELECTR0	220UF
C39		CE04KW1V101M	ELECTR0	100UF
C40		CK45FF1H104Z	CERAMIC	0.10UF
C99		CK45FF1H272K	CERAMIC	2700PF
C100		CC45CH1H102J	CERAMIC	1000PF
C101	102	CE04KW1H47M	ELECTR0	4.7UF
C103	-106	CC45CH1H102J	CERAMIC	1000PF
C107	108	CE04KW1A101M	ELECTR0	100UF
C109	110	C992FM1H32J	MYLAR	3300PF
C111	112	C992FM1H123J	MYLAR	0.012UF
C113	114	CE04KW1H47M	ELECTR0	4.7UF
C115		CK45FF1H103Z	CERAMIC	0.010UF
C117	118	CK45FF1H104Z	CERAMIC	0.10UF
C119	-128	CC45CH1H221J	CERAMIC	220PF
C131	-134	CC45CH1H221J	CERAMIC	220PF
C135	136	CE04KW1C470M	ELECTR0	47UF
C137		CC45CH1H221J	CERAMIC	220PF
C138	139	CC45SL1H101J	CERAMIC	100PF
C140		CC45CH1H102J	CERAMIC	1000PF
C148		CE04KW1H010M	ELECTR0	1.0UF
C149	150	CK45FF1H103Z	CERAMIC	0.010UF
C152		CE04BP1H010M	NP-ELEC	1.0UF
C153		CE04KW1H010M	ELECTR0	1.0UF
C154		CC45CH1H102J	CERAMIC	1000PF
C155		CE04KW1H010M	ELECTR0	1.0UF
C156		CE04KW1C101M	ELECTR0	100UF
C159	160	C992FM1H273J	MYLAR	0.027UF
C201	202	CE04KW1H47M	ELECTR0	4.7UF
C203	204	CC45SL1H680J	CERAMIC	68PF

× New Parts
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Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
651	1J	T90-0184-08	LOOP ANTENNA	
652	1J	T90-0185-05	ANTENNA ADAPTER	
ELECTRIC PARTS				
LD901		B30-0413-05	LED(LTL4213(RED))	
C1		C91-0647-05	CERAMIC	AC250V
C2	-4	CK45FF1H103Z	CERAMIC	0.010UF
C5		CE04KW1E471M	ELECTR0	470UF
C6		CE04KW1H101M	ELECTR0	100UF
C7		CE04KW1H101M	ELECTR0	100UF
C8		CE04KW1H101M	ELECTR0	100UF
C9		CE04KW1H101M	ELECTR0	100UF
C10		CE04KW1H101M	ELECTR0	100UF
C11		CE04KW1H101M	ELECTR0	100UF
C12		CE04KW1H101M	ELECTR0	100UF
C13	14	CK45FF1H223Z	CERAMIC	0.047UF
C15	16	C90-0369-05	ELECTR0	6800PF
C16	16	C90-3561-05	ELECTR0	4700UF
C17	16	CK45FF1H103Z	CERAMIC	0.010UF
C22		CE04KW1H47M	ELECTR0	4.7UF
C23		CK45FF1H223Z	CERAMIC	0.022UF
C24		CK45FF1H221J	CERAMIC	220PF
C31	-34	CK45FF1H103Z	CERAMIC	0.010UF
C35		CE04KW1V102M	ELECTR0	1000UF
C36		CK45FF1H104Z	CERAMIC	0.10UF
C37		CE04KW1C470M	ELECTR0	47UF
C38		CE04KW1H221M	ELECTR0	220UF
C39		CE04KW1V101M	ELECTR0	100UF
C40		CK45FF1H104Z	CERAMIC	0.10UF
C99		CK45FF1H272K	CERAMIC	2700PF
C100		CC45CH1H102J	CERAMIC	1000PF
C101	102	CE04KW1H47M	ELECTR0	4.7UF
C103	-106	CC45CH1H102J	CERAMIC	1000PF
C107	108	CE04KW1A101M	ELECTR0	100UF
C109	110	C992FM1H32J	MYLAR	3300PF
C111	112	C992FM1H123J	MYLAR	0.012UF
C113	114	CE04KW1H47M	ELECTR0	4.7UF
C115		CK45FF1H103Z	CERAMIC	0.010UF
C117	118	CK45FF1H104Z	CERAMIC	0.10UF
C119	-128	CC45CH1H221J	CERAMIC	220PF
C131	-134	CC45CH1H221J	CERAMIC	220PF
C135	136	CE04KW1C470M	ELECTR0	47UF
C137		CC45CH1H221J	CERAMIC	220PF
C138	139	CC45SL1H101J	CERAMIC	100PF
C140		CC45CH1H102J	CERAMIC	1000PF
C148		CE04KW1H010M	ELECTR0	1.0UF
C149	150	CK45FF1H103Z	CERAMIC	0.010UF
C152		CE04BP1H010M	NP-ELEC	1.0UF
C153		CE04KW1H010M	ELECTR0	1.0UF
C154		CC45CH1H102J	CERAMIC	1000PF
C155		CE04KW1H010M	ELECTR0	1.0UF
C156		CE04KW1C101M	ELECTR0	100UF
C159	160	C992FM1H273J	MYLAR	0.027UF
C201	202	CE04KW1H47M	ELECTR0	4.7UF
C203	204	CC45SL1H680J	CERAMIC	68PF

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Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部 品 名 / 規 格	Re- marks 注 意 事 項
651	1J	T90-0184-08	LOOP ANTENNA	
652	1J	T90-0185-05	ANTENNA ADAPTER	
ELECTRIC PARTS				
LD901		B30-0413-05	LED(LTL4213(RED))	
C1		C91-0647-05	CERAMIC	AC250V
C2	-4	CK45FF1H103Z	CERAMIC	0.010UF
C5		CE04KW1E471M	ELECTR0	470UF
C6		CE04KW1H100M	ELECTR0	100UF
C7		CE04KW1A101M	ELECTR0	100UF
C8		CE04KW1H010M	ELECTR0	1.0UF
C9		CE04KW1H010M	ELECTR0	100UF
C10		CE04KW1H010M	ELECTR0	100UF
C11		CE04KW1H2R2M	ELECTR0	100UF
C12		CE04KW1C220M	ELECTR0	2.2UF
C13	14	CK45FF1H473Z	CERAMIC	0.047UF
C15	16	C90-0366-05	ELECTR0	6800UF
C16		C90-3561-05	ELECTR0	4700UF
C17	16	CK45FF1H103Z	CERAMIC	0.010UF
C22		CE04KW1H4R7M	ELECTR0	4.7UF
C23		CK45FF1H223Z	CERAMIC	0.022UF
C24		CK45CH1H221J	CERAMIC	220PF
C31	-34	CK45FF1H103Z	CERAMIC	0.010UF
C35		CE04KW1V102M	ELECTR0	1000UF
C36		CK45FF1H104Z	CERAMIC	0.10UF
C37		CE04KW1C470M	ELECTR0	47UF
C38		CE04KW1H221M	ELECTR0	220UF
C39		CE04KW1V101M	ELECTR0	100UF
C40		CK45FF1H104Z	CERAMIC	0.10UF
C99		CK45FB1H272K	CERAMIC	2700PF
C100		CC45CH1H102J	CERAMIC	1000PF
C101	102	CE04KW1H4R7M	ELECTR0	J
C103	106	CC45CH1H102J	CERAMIC	4.7UF
C107	108	CE04KW1A101M	ELECTR0	1000PF
C109	110	C92FEM1H332J	MYLAR	100UF
C111	112	C92FEM1H123J	MYLAR	3300PF
C113	114	CK45KW1H47M	ELECTR0	J
C115	115	CK45FF1H103Z	CERAMIC	0.012UF
C117	118	CK45FF1H104Z	CERAMIC	4.7UF
C119	128	CC45CH1H221J	CERAMIC	0.010UF
C131	134	CC45CH1H221J	CERAMIC	Z
C135	136	CE04KW1C470M	ELECTR0	J
C137	137	CC45CH1H221J	CERAMIC	220PF
C138	139	CC45SL1H101J	CERAMIC	47UF
C140		CC45CH1H102J	CERAMIC	100PF
C148		CE04KW1H010M	ELECTR0	J
C149	150	CK45FE1H103Z	CERAMIC	0.012UF
C152		CE04BP1H010M	NP-ELEC	J
C153		CE04KW1H010M	ELECTR0	50WV
C154		CC45CH1H102J	CERAMIC	1.0UF
C155		CE04KW1H010M	ELECTR0	50WV
C156		CE04KW1C101M	ELECTR0	1.0UF
C159	160	C92FEM1H273J	MYLAR	Z
C201	202	CE04KW1H47M	ELECTR0	0.027UF
C2203	204	CC45SL1H680J	CERAMIC	68PF
C2203	204			J
C2203	204			J
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C2203	204			J
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× New Parts

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Teil ohne Parts No. werden nicht geliefert.

5

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
C852		CK45F1H103M	CERAMIC	
C853, 854		CC45CH1H220J	0.010UF M	
C855		CC45EB1H471K	22PF J	
C856		CC45SL1H221J	470PF K	
C857, 858		CC45CH1H101J	220PF J	
			100PF J	
C859		CE04KW1H0R1M	ELECTRØ	
C860		CK45E1H103M	0.1UF 50WV	
C861		CE04KW1C470M	CERAMIC	
C862		CK45F1H103M	ELECTRØ	
C863, 864		CE04KW1C100M	470UF 16WV	
			10UF 16WV	
C865, 866		CK45F1H103M	ELECTRØ	
C868		CC45SL1H270J	0.010UF M	
C869		CC45FF1H103Z	27PF J	
C871		CC45SL1H271J	0.010UF Z	
C872		CE04KW1C100M	270PF J	
			10UF 16WV	
C873		CK45F1H103M	ELECTRØ	
C874, 875		CC45SL1H270J	0.010UF M	
C876		CK45F1H103M	27PF J	
C877, 878		CE04KW1C100M	0.010UF M	
C879, 880		CK45F1H103M	10UF 16WV	
			0.010UF M	
C903, 904		CE04KW1C330M	CERAMIC	
C905		CE04KW1H4R7M	ELECTRØ	
C906		C90-1827-05	33UF 16WV	
C907		CE04KW1A101M	4.7UF 50WV	
		CK45F1H103M	BACKUP	
			0.1F 50WV	
C911, 912		CK45FF1H103Z	100UF 10WV	
C913, 914		CK45FF1H223K	0.010UF M	
C921, 922		CE04KW1H4R7M	0.010UF Z	
C923, 924		C922FM1H153J	0.022UF K	
C925, 926		C922FM1H683J	4.7UF 50WV	
			0.015UF J	
C927, 928		CK45F1H022M	0.068UF J	
C929, 930		CC45SL1H220J	0.0082UF M	
C931, 932		CC45CH1H101J	22PF J	
C933, 934		C922FM1H333J	100PF J	
C946		CK45FF1H103Z	0.033UF J	
			0.010UF Z	
C950		CK45F1H103M	CERAMIC	
E1		E70-0035-08	0.010UF M	
E2		E70-0037-08	PHONØ JACK	
E3, 4		E70-0038-08	PHONØ JACK	
E5		E70-0004-08	CD, TAPE1	
E6		E11-0188-05	TAPE2, VIDEO1, 2	
JACK801			LOCK TERMINAL BOARD SPEAKERS	
PHONE			MINIATUA PHONE JACK SYNCHRO	
F1		E70-0023-08	TERMINAL BOARD ANTENNA	
F2		E11-0263-08	PHONE JACK	
F3		F05-1623-05	HEAD PHONES	
-		F06-2021-05	FUSE SENCØ T1.6A/250V	
		F05-2525-05	FUSE SENCØ T2A/250V	
		F06-1022-05	FUSE SENCØ T2.5A/250V	
		J13-0084-08	FUSE SENCØ T1A/250V	
CF801, 802		L72-0575-08	FUSE CLIP	
L201, 202		L39-1303-08	CERAMIC FILTER	
L301		L33-0379-08	0.15UH	
L801		L40-1091-17	INDUCTØR	
L802		L39-1322-08	22UH	
			SMALL FIXED INDUCTØR	
			1UH	
			CØIL	

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Y: AAFES (Europe) X: Australia M: Other Areas

△ indicates safety critical components.

ET

× New Parts

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Teil ohne Parts No. werden nicht geliefert.

6

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
L803		L33-0381-08	SMALL FIXED INDUCTØR	
L804		L30-0904-08	1mH	
L805		L30-0905-08	IFT AM	
L806		L30-0906-08	IFT FM	
L807		L39-1323-08	CØIL	
L808, 809		L35-0070-08	CØIL	
L810		L40-1091-17	SMALL FIXED INDUCTØR	
L811, 812		L40-1001-17	SMALL FIXED INDUCTØR	
L901		L40-1001-17	SMØLL FIXED INDUCTØR	
L902, 903		L40-1091-17	SMALL FIXED INDUCTØR	
L905-908		L40-1091-17	SMALL FIXED INDUCTØR	
△ T1		L07-0825-08	TRANSFORMER	
△ T1		L07-0828-08	TRANSFORMER	
X801		L78-0616-08	RESONATOR	
X802		L77-2126-08	CRYSTAL	
X803		L77-2127-08	CRYSTAL	
X804		L78-0617-08	RESONATOR	
X901		L78-0209-05	RESONATOR	
G	2K	N89-3010-46	BINDING HEAD TAPTITE SCREW	
CP1, 2		R90-0187-05	MULTI-COMP	
R3		RD14GB2E101J	0.22X2 K 5W	
R31		RD14GB2E101J	FL-PROOF RD 100	
R32		RS140B3D122J	FL-PROOF RS 100	
R177		RD14GB2E100J	FL-PROOF RS 1.2K J 2W	
R217-232		RD14GB2E221J	FL-PROOF RD 10	
R229-232		RD14GB2E221J	FL-PROOF RD 220	
R245-248		RD14GB2E221J	FL-PROOF RD 220	
R249		RD14GB2E101J	FL-PROOF RD 220	
R250		RD14GB2E470J	FL-PROOF RD 100	
R253, 254		RS140B3A100J	FL-PROOF RS 47	
R255, 256		RS140B3A561J	FL-PROOF RS 10	
R824		RD14GB2E101J	FL-PROOF RS 560	
R827		RD14GB2E101J	FL-PROOF RD 100	
R840		RD14GB2E101J	FL-PROOF RD 100	
R851		RD14GB2E470J	FL-PROOF RD 47	
R866		RD14GB3D221J	FL-PROOF RD 220	
VR101		R39-0001-08	POTENTIOMETER 100KBX2	
VR102		R10-5071-08	VOLUME	
VR201, 202		R12-1066-05	POTENTIOMETER BALANCE	
VR801		R12-1053-05	TRIM POT. 1KB	
VR802		R32-0012-08	IDLE ADJ	
VR803		R32-0012-08	TRIM POT. 4.7KB AM TUNE LEVEL	
VR901, 902		R39-0002-08	TRIM POT. 100KB FM TUNE LEVEL	
K1		S76-0034-08	POTENTIOMETER BASS TREBLE	
K2, 3		S76-0035-08	MAGNETIC RELAY	
SW1		S68-0040-08	PUSH SWITCH	
SW2		S62-0032-08	LOADNESS	
SW901-925		S70-0030-08	SLIDE SWITCH	
SW926		S60-0030-08	IMPEDANCE SELECT	
D1		1SS133	KEY BOARD	
D2 -5		1N4002A	ROTARY SWITCH	
D14, 15		1N4002A	INPUT SELECTØR	
			DIØDE	
			DIØDE	
			DIØDE	

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Y: AAFES (Europe) X: Australia M: Other Areas

△ indicates safety critical components.

KR-A4060/A5060

PARTS LIST

KR-A4060/A5060

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

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Teile ohne Parts No. werden nicht geliefert.

7

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
D16, 17 D25, 26 D30 D31 - 36		1SS133 1SS133 DBF40C DBF60C 1N4002A	DIODE DIODE DIODE DIODE DIODE		4 5
D6-8, 10 D101-104 D107-110 D12, 13 D201, 202		1SS133 1SS133 1SS133 1SS133 1SS133	DIODE DIODE DIODE DIODE DIODE		
D203, 204 D205, 206 D801-809 D810 D811		1N4002A 1SS133 1SS133 1SS133 1SS133	DIODE DIODE DIODE DIODE DIODE		
D812 D901-920 D921 D922 D98, 99		RD5.1ES(B2) RD13ES(B2) 1SS133 MTZJ6.2B MTZJ2.7B 1SS133	ZENER DIODE ZENER DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
FLT901 IC1 IC101 IC102 IC102		10-MT-580K MC7815C NJM4558DD NJU7313L TC9164N	FLUORESCENT INDICATOR TUBE IC(VOLTAGE REGULATOR/+15) IC(OP AMP X2) IC(ANALOG SWITCH) SELECTOR SW) IC(16CH BILATERAL SELECTOR SW)		
IC104 IC104 IC105 IC105 IC106		NJU7311L TC9162N NJU7312AL TC9163N BA6209N	IC(ANALOG SWITCH)ARRAY) IC(ANALOG SWITCH ARRAY) IC(BILATERAL SWITCH X16) IC(BILATERAL SWITCH X16) IC(MOTOR DRIVER)		
IC801 IC802 IC803 IC804 IC805		LA1266 LA3401 LC7218 LM258N TDA7330A	IC(AM/FM IF) IC(FM MPX) IC(PLL SYNTHESIZER) IC IC(RDS DEMODULATOR)		
IC806 IC810 IC810 IC810 IC901 IC902		LC6543H-4600 NJM78L05A UPC78L05 UPD78044GF-021 PST529C	IC(MICROPROCESSOR) IC(VOLTAGE REGULATOR/+5V) IC(VOLTAGE REGULATOR/+5V) IC(8BIT MICROPROCESSOR) IC(SYSTEM RESET)		
IC903 Q1 Q2 - 5		NJM4558DD 2SD882 DTC114ES	IC(OP AMP X2) TRANSISTOR DIGITAL TRANSISTOR		
Q6		2SA916	TRANSISTOR		
Q8 Q10 Q101-104 Q105, 106 Q107-109		2SA933S 2SA933S 2SC2878 DTC114ES DTC114ES	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q201-204 Q205, 206 Q207, 208 Q209, 210 Q211, 212		2SA992 2SC1845 2SA992 2SC1845 2SC4137(V)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		

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Y: AAFES (Europe) X: Australia M: Other Areas4: KR-A4060
5: KR-A5060

A indicates safety critical components.

* New Parts

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Teile ohne Parts No. werden nicht geliefert.

8

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
Q213, 214 Q215, 216 Q217, 218 Q217, 218		2SC2316 2SA916 2SC4467 2SC4468	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		4 5
Q219, 220 Q221, 222 Q223, 224 Q801		2SA1694 2SA1695 2SC1845 2SC1740S 2SC1740S	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		4 5
Q802 Q803 Q804 Q805 Q806-808		2SA933S 2SC1740S 2SC31940 2SC1845F 2SC1740S	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q809, 810 Q811 Q901, 902 ZD1 ZD2, 3		2SA933S 2SD2041E 2SC1740S MTZJ3.9B MTZJ5.1B	TRANSISTOR TRANSISTOR TRANSISTOR ZENER DIODE ZENER DIODE		
ZD4 ZD6, 7 ZD8, 9 ZD10 ZD11		RD6.2ES(B2) MTZJ16A MTZJ5.1B RD6.8ES(B2) MTZJ8.2B	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
A901 TUNER801		W02-1111-08 W02-1041-15	ELECTRIC CIRCUIT MODULE FM FRONT END		

L: Scandinavia K: USA P: Canada R: Mexico
Y: PX (Far East, Hawaii) T: England E: Europe G: Germany
Y: AAFES (Europe) X: Australia M: Other Areas4: KR-A4060
5: KR-A5060

A indicates safety critical components.

SPECIFICATIONS

KR-A4060

Audio section

Rated power output

(IEC/NF) from 63Hz~12,500Hz

0.7% T.H.D. at 8Ω 60W + 60W

(DIN) 1,000Hz at 8Ω 60W + 60W

1,000Hz at 4Ω 55W + 55W

Total harmonic distortion (1kHz, 8Ω) 0.01% at 40W

Signal to noise ratio

Phono (MM) 56dB (DIN, 50mW output)

CD, TAPE, VIDEO 57dB (DIN, 50mW output)

Input sensitivity/impedance

Phono (MM) 2.5mV/47kΩ

CD, TAPE, VIDEO 200mV/47kΩ

Tone controls

BASS ±10dB (at 100Hz)

TREBLE ±10dB (at 10kHz)

Loudness control at 30dB

Volume level +9dB (at 100Hz)

FM tuner section

Tuning frequency range 87.5MHz~108MHz

Usable sensitivity (DIN at 75Ω)

MONO 1.1μV

STEREO 4.5μV

Total harmonic distortion at 1kHz (DIN)

MONO 0.15%

STEREO 0.5%

Signal to noise ratio (DIN weighted at 1kHz)

MONO 68dB (65.2dBf input)

STEREO 61dB (65.2dBf input)

Selectivity (DIN ±300kHz) 53dB

Stereo separation (DIN) at 1kHz 40dB

Frequency response 30Hz~15kHz, +0.5dB, -2.0dB

AM tuner section

Tuning frequency range 531kHz~1,602kHz

Usable sensitivity 12μV (400μV/m)

Total harmonic distortion 0.3%

Signal to noise ratio (at 30% mod. 1mV input) 50dB

Selectivity 30dB

General

Power consumption 120W

AC outlet (Switched) 2 : (total 200W max.)

Dimensions W : 440mm x H : 133mm X D : 350mm

Weight (net) 6.8kg

KR-A5060

Audio section

Rated power output

(IEC/NF) from 63Hz~12,500Hz

0.7% T.H.D. at 8Ω 100W + 100W

(DIN) 1,000Hz at 8Ω 100W + 100W

1,000Hz at 4Ω 90W + 90W

Total harmonic distortion (1kHz, 8Ω) 0.01% at 50W

Signal to noise ratio

Phono (MM) 56dB (DIN, 50mW output)

CD, TAPE, VIDEO 57dB (DIN, 50mW output)

Input sensitivity/impedance

Phono (MM) 2.5mV/47kΩ

CD, TAPE, VIDEO 200mV/47kΩ

Tone controls

BASS ±10dB (at 100Hz)

TREBLE ±10dB (at 10kHz)

Loudness control at 30dB

Volume level +9dB (at 100Hz)

FM tuner section

Tuning frequency range 87.5MHz~108MHz

Usable sensitivity (DIN at 75Ω)

MONO 1.1μV

STEREO 4.5μV

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Stereo separation (DIN) at 1kHz 40dB

Frequency response 30Hz~15kHz, +0.5dB, -2.0dB

AM tuner section

Tuning frequency range 531kHz~1,602kHz

Usable sensitivity 12μV (400μV/m)

Total harmonic distortion 0.3%

Signal to noise ratio (at 30% mod. 1mV input) 50dB

Selectivity 30dB

General

Power consumption 180W

AC outlet (Switched) 2 : (total 200W max.)

Dimensions W : 440mm x H : 133mm X D : 350mm

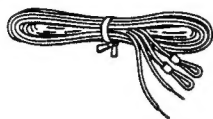
Weight (net) 8.2kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

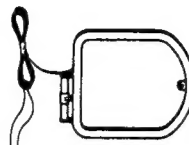
KR-A4060/A5060

ACCESSORIES

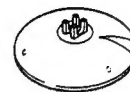
- FM indoor antenna 1
(T90-0182-05 : **Except E, T type**)
(T90-0176-05 : **E, T type**)



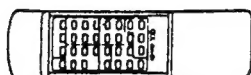
- AM loop antenna 1
(T90-0184-08)



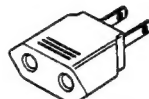
- Loop antenna holder 1
(J19-2815-04)



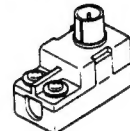
- Remote control ass'y (RC-R5030) .. 1
(A70-0985-08)



- AC plug adaptor 1
(E03-0115-05 : **Except E, T type only**)

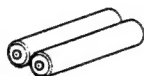


- Antenna adaptor (75Ω/300Ω) 1
(T90-0185-05 : **E, T type only**)



- Battery cover (A09-0170-08)

- Batteries (R6/AA) 2



Except for U.K., Europe and Australia.

For the unit with a European AC plug in areas other than Europe.

For U.K. and Europe.

Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION

14-8, Dogenzaka 1-chome, Shibuya-ku, Tokyo 150, Japan

KENWOOD SERVICE CORPORATION

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. BOX 55-2791, Piso 6 Plaza Chase, Cl. 47 y Aquilino de la Guardia, Panama, Republic de Panama

TRIO-KENWOOD U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Mechelsesteenweg 418 B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker-Str. 15, 63150 Heusenstamm, Germany

TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129 Milano, Italy

KENWOOD ESPAÑA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)

P.O. BOX 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Unit 3712-3724, Level 37 Tower one, Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T. Hong Kong

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #07-00, KENWOOD Building, Singapore, 1334

KENWOOD ELECTRONICS (MALAYSIA) SDN LTD.

10 th Floor, Block B, Wisma Semantan, No. 12, Jalan Gelenggang, Bukit Damansara, 50490 Kuala Lumpur, Malaysia